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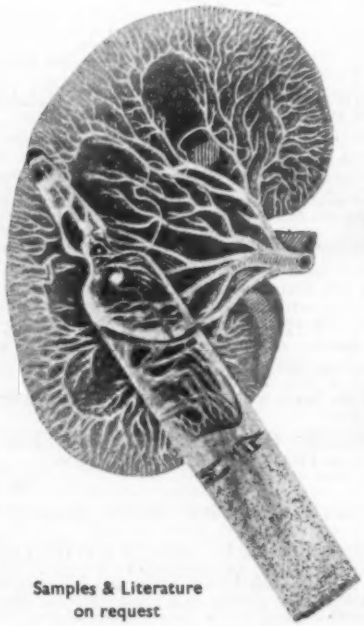

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MALIGNANT HYPERTENSION *

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DIRECTOR OF MEDICAL UNIT, LONDON HOSPITAL; PROFESSOR OF MEDICINE, UNIVERSITY OF LONDON

(WITH ILLUSTRATIVE PLATE)

One hundred and ten years ago Richard Bright pointed out the association of enlargement of the heart and chronic disease of the kidney; ever since that time this association has been a subject of interest to both physicians and pathologists. It was Clifford Allbutt, using purely clinical means, who first clearly separated arterial hypertension without obvious renal involvement from chronic nephritis with hypertension. There thus arose the conception of a primary arterial hypertension independent of renal disease, to be distinguished from the secondary hypertension seen in patients with chronic nephritis. To this primary arterial hypertension Allbutt gave the name hyperpiesia, a term which has become firmly established in English medical terminology. In most other countries the condition is known as essential hypertension.

The separation of essential hypertension from chronic nephritis with hypertension marked a great advance in our knowledge of high blood pressure and its relation to kidney disease. As time went on, however, a difficulty arose. One group of patients with hypertension failed to fit satisfactorily into this new classification. I refer to a group of patients in whom the clinical course of the disorder suggests a primary hypertension, but signs of renal impairment eventually develop and death in renal failure often occurs. It is to this condition that we refer when we use the term malignant hypertension.

In this country these patients have usually been classified, along with examples of true renal disease, as chronic interstitial nephritis. At the London Hospital they are classified pathologically, according to the classification of Russell, as chronic nephritis repens, Type IV. This term assumes the condition to be the result of a slowly progressive, long-standing creeping nephritis. The difficulty of this conception is, that though these patients may die of renal failure and show at post-mortem examination renal lesions of inflammatory type, their clinical picture is essentially that of arterial hypertension of great severity with a rapidly downhill course. It does *not* suggest long-standing renal disease; moreover, if such long-standing renal disease were present we might expect these patients to have albuminuria for many years before other symptoms appeared. In view of the widespread practice of medical examination for life insurance, such an occurrence could not have escaped notice. Yet it may be stated with certainty that evidence of this kind is entirely lacking.

As I have already said, the designation malignant hypertension has recently been given to this condition, and I have used it for the title of this lecture. Malignant is a word of ill omen, unsatisfactory for employment at the bedside, but the term is already so widely used that to attempt to change it now would but lead to confusion; it *does* serve the purpose of underlining the contrast between this grave condition and the common form of essential hypertension with its long course which is relatively benign.

The material on which this lecture is based consists of 40 fatal cases of malignant hypertension in which post-mortem examinations have been carried out in the London Hospital between 1930 and 1937. With one or two exceptions all these patients have been seen by me during life, in most instances also by Horace Evans, and in recent years also by Clifford Wilson, both of whom have so loyally helped me in this investigation. Many of the patients have been seen repeatedly throughout their illness. In every case, thanks to the courtesy of Prof. H. M. Turnbull, a histological study of the kidneys, and of the other available organs, has been made by me, assisted again by Clifford Wilson.

I propose first to give a brief outline of the disorder in its classical or fully developed state, and to show the histological lesions which are found in the various organs; then to discuss the natural history of the disease and to present evidence, both clinical and histological, that it is a generalised vascular disturbance of which the *renal* lesions are a late, and indeed almost terminal, manifestation; and finally to emphasise certain points in regard to the diagnosis, prognosis, and treatment of malignant hypertension which seem to me important.

THE CLASSICAL OR FULLY DEVELOPED PICTURE

An adult, usually a man of 40–50 years of age—that is, below the age when symptoms of essential hypertension usually appear—who has previously been in good health, complains suddenly of attacks of headache and vomiting on waking in the morning, or of attacks of precordial pain and breathlessness on exertion, or of suddenly failing vision. He is found to have a high blood pressure and in particular a high diastolic pressure (usually 150 mm. of mercury or more). Examination reveals enlargement of the heart and peripheral arteries and—what is most important—the fundus oculi shows, with or without the other signs of retinitis, *papillœdema*, usually bilateral. In advanced cases there may be some wasting and some anæmia, but often these signs are absent; and except for the cardiac and arterial enlargement there is no physical evidence of long-standing disease. Some degree of heart failure is however nearly always present; careful examination may reveal that the liver is slightly enlarged and tender and there may be a few moist sounds in the lungs, but unless heart failure is suspected the significance of these findings may be overlooked. Peripheral venous congestion and extensive œdema are only rarely seen.

The urine will probably contain a considerable amount of albumin and have a constantly low specific gravity in the neighbourhood of 1010. The blood will show marked nitrogen retention, with a blood-urea of 100 mg. or more. Renal function tests will show a moderate or marked impairment of concentrating power. Death with mixed renal and cardiac failure will occur six months to two years from the date of the first symptom.

At post-mortem the kidneys will show slight or only moderate contraction. On histological examination, in addition to the lesions of ischæmic atrophy, usually present in individuals who have had high blood pressure, focal glomerular lesions are found in the form of acute focal necroses (frequently leading to adhesions between capsule and tuft), fibrinoid

* The Schorstein lecture for 1937, delivered at the London Hospital on Oct. 21st.

necrosis of individual capillary loops, proliferative glomerulitis (which is often focal, affecting a single lobule of a glomerular tuft), and varying degrees of proliferative capsulitis with occasional true crescent formation. The tubules show a severe albuminous degeneration and typical hyaline droplet degeneration is almost always present in occasional tubules. The interstitial tissue shows varying degrees of fibrosis and cellular infiltration. The vascular lesions are important and are very constantly present. There is an acute degeneration leading to necrosis of the walls of many small arterioles, particularly the afferent arterioles to glomeruli. The walls of the affected arterioles are enormously swollen, owing to the deposition of material which is dark purple in colour in sections stained with hæmatoxylin and eosin, the so-called fibrinoid necrosis (Figs. 3 and 4). This swelling of the wall leads to obliteration of the lumen, which often is apparently complete. There are in addition loss and fragmentation of nuclei, and frequently red blood-cells in the vessel walls; proliferative changes in and about the arterioles also occur. The smaller arteries up to the size of interlobulars also show an almost constant lesion in the form of so-called endarteritis fibrosa (Figs. 3, 4, and 5); this is a relatively richly cellular thickening of the intima, often leading to obliteration of the lumen and easily distinguishable from the intimal thickening, associated with increase of elastic tissue, found in all cases of hypertension (Fig. 6). *But these vascular lesions are not confined to the kidney.* Similar lesions of arterioles and small arteries are also found in other organs particularly the adrenals, pancreas, and intestine, more occasionally in liver, stomach, prostate, testicle, and elsewhere (Figs. 7 to 13).

Such then is the clinical and pathological picture of malignant hypertension in its fully developed state.

NATURAL HISTORY OF THE DISORDER

It is not surprising in view of the histological changes in the kidney I have just described, and the frequent occurrence of renal failure, that this condition has been regarded as an example of primary renal disease and has been classified as a chronic nephritis. Looking backward from the post-mortem examination of the fully developed case, it would be difficult to arrive at any other conclusion.

If, however, in place of this retrospect we direct our attention to the earlier stages of the disorder, a different sequence of events is manifest, and a closer approach to the true nature of malignant hypertension can be made. By such a study evidence is obtained, both clinical and histological, that involvement of the kidneys is slight or absent in the early stages but develops rapidly as the disease progresses. Let us take first the clinical evidence. It is not uncommon when the patient with malignant hypertension is first seen to find the concentrating power of the kidney well preserved, the blood-urea within normal limits, and the other tests of renal function satisfactory. Indeed in some patients albumin may be absent from the urine. Thus in this series of 40 fatal cases, in which the diagnosis was confirmed histologically, we have sufficient observations in the early stages to show that the specific gravity of the urine was greater than 1020 in 12, the blood-urea was less than 0·040 g. per 100 c.cm. in 10, and the renal function was within normal limits in 8. In 5 of the 40 patients albumin was reported as absent from the urine in the early stages of the illness, and in 3 instances we were able to verify this important point. Moreover, we have at present under observation, and therefore not included in this series, a number of patients in whom the clinical diagnosis of malignant hypertension has been made, but in whose urine albumin has not yet appeared.

The sequence of events which may follow in such cases is well illustrated by the accompanying Table, which records at three-monthly intervals the progress of the condition in one of our patients, a woman aged 32, with malignant hypertension in association with Cushing's syndrome (pituitary basophilism).

DETERIORATION OF RENAL FUNCTION IN A WOMAN OF 32 WITH MALIGNANT HYPERTENSION AND CUSHING'S SYNDROME

Date.	B.p.	Papill-œdema.	Urine albumin.	Renal function.			
				Blood-urea mg. %.	P.S.P. 2 hrs.	Urea Concn. %.	Urea Clrnce. %.
Jan., 1936.	210/140	Nil.	Nil.	33	74	2·8	94
April, 1936.	210/140	Slight.	Cloud.	37	65	2·6	79
Sept., 1936.	210/150	Present.	1/12 vol.	48	49	2·3	46
Jan., 1937 (died).	180/140	Severe.	1/8 vol.	177	Trace.	0·7	5

B.p. = blood pressure.
P.S.P. = phenolsulphonphthalein.

When she was first seen in November, 1935, the blood pressure was 200/90; there was no papillœdema, and no evidence of renal involvement. In January, 1936, the findings were the same; the blood pressure was 210/140, papillœdema was absent, urine albumin was absent, the blood-urea was 33 mg. per 100 c.cm., the phenolsulphonphthalein excretion was 74 per cent. in two hours, the concentration of urea in the urine was 2·8 per cent., and the urea-clearance test of Van Slyke was 94 per cent. of normal.

In April, 1936, the blood pressure was still 210/140, but now there was slight papillœdema, the urine contained a cloud of albumin, the blood-urea was 37 mg., the phenolsulphonphthalein excretion was 65 per cent. in two hours, the concentration of urea in the urine was 2·6 per cent., and the urea-clearance 79. In September, 1936, the blood pressure was 210/150, papillœdema was now well marked, the urine contained one-twelfth volume of albumin, nitrogen retention was beginning (the blood-urea being 48 mg.), the phenolsulphonphthalein excretion was 48 per cent. in two hours, the concentration of urea in the urine was 2·3 per cent., and the urea-clearance was 46.

In January, 1937, the blood pressure was 180/140 and definite signs of cardiac failure were present; the papillœdema was now severe, with other signs of retinitis; the urine contained one-eighth volume of albumin, the blood-urea was 177 mg., the phenolsulphonphthalein excretion was reduced to a trace in two hours, the concentration of urea in the urine was 0·7, and the urea-clearance 5. Death occurred on Jan. 18th, 1937.

This patient aptly illustrates the absence of all evidence of renal involvement in the earlier stages of the disorder and the rapid downhill progress following the appearance of papillœdema.

The pathological evidence was obtained from patients who died from non-renal causes such as cerebral or subarachnoid hæmorrhage, or cardiac infarction or failure. We have 10 such cases in which the histological picture shows the early stage of renal involvement. In these instances, except for ischæmic atrophy, which is present in varying degree in the kidneys of all patients with prolonged hypertension, the renal lesions are comparatively slight, and sometimes only careful search will reveal them.

Even in these cases, however, acute necrotic lesions of the arterioles can be found in organs other than the kidneys.

I should like to record the histological findings in one such case by way of illustration.

The patient, a male aged 47, with a blood pressure of 200/130 and severe bilateral papillœdema, had a bilateral subtemporal decompression performed for the relief of high intracranial pressure. He died shortly after operation from left-sided heart failure.

At post-mortem examination the kidneys appeared normal for a patient of this age. On histological examination, except for moderate ischæmic atrophy, the kidney at first sight seemed to be normal (Fig. 14). On close search, however, a few glomeruli showing focal necrosis, with and without adhesions, were found. No glomerular lesions other than these were seen. The tubules showed no dilatation; they were well preserved except in the areas of ischæmic atrophy. There was slight albuminous degeneration, but no fatty or hyaline droplet degeneration was seen. The interstitial tissue was unaltered except in the areas of ischæmic atrophy where the usual appearances were present. The vessels showed acute necrosis of only very occasional afferent arterioles (Fig. 15).

In spite of these slight changes in the kidney widespread vascular lesions were present in other organs; the intestine, adrenals, pancreas, prostate, and testicle showed typical acute necrosis of arterioles and small arteries (Figs. 16 and 17).

We feel therefore that the natural history of this disorder, as revealed both by the progress of the condition during life and by the pathological findings in the various stages, is that of a progressive circulatory or vascular disorder in which the involvement of the kidneys is a secondary and relatively late manifestation.

Let us turn now to a consideration of some points in the diagnosis, prognosis, and treatment of this condition.

DIAGNOSIS

The conditions from which malignant hypertension must be separated are chronic diffuse nephritis with hypertension on the one hand, and benign hypertension on the other. Because of the frequency of headache, vomiting, and papillœdema in malignant hypertension the question of cerebral tumour also sometimes arises.

The differentiation from chronic diffuse nephritis may be difficult if patients with malignant hypertension are not seen until the terminal stage of their illness, for the end stage of malignant hypertension and chronic diffuse nephritis may present the same picture—that is, wasting, anæmia, and renal failure, associated with high blood pressure and papillœdema. If, however, the cases are seen in the earlier stages, no difficulty usually arises; for in patients with malignant hypertension papillœdema is constantly present and appears before renal failure develops, whereas in chronic diffuse nephritis papillœdema is usually absent at this stage, and when it does appear renal failure is already well established. Though both conditions end with renal failure, this failure in chronic diffuse nephritis is insidious and slowly progressive, whereas in malignant hypertension it develops rapidly as a terminal phenomenon.

The histological differentiation of malignant hypertension from chronic nephritis is dependent on the focal distribution of the glomerular lesions in malignant hypertension, the less extensive destruction of renal tissue which is found, and the presence of acute arteriolar lesions outside the kidney in pancreas, suprarenals, intestines, &c. In chronic nephritis the glomerular lesions are more diffuse, the renal destruction greater, and acute arteriolar lesions, though they may occur in the kidney, are extremely rare in other organs.

The differentiation of malignant hypertension from benign hypertension seldom gives rise to difficulty. The presence or absence of *papillœdema* is the guiding factor. Papillœdema is the most important sign of malignant hypertension and is almost invariably present when symptoms first appear. If we see a relatively young patient with a diastolic pressure of 140 mm. of mercury or more, and no sign of renal involvement, the age of the patient and the high diastolic pressure may tempt us to suspect the early stage of malignant hypertension; but if papillœdema is absent, this diagnosis should never be made. The case should be regarded as one of benign hypertension until papillœdema can be detected.

I have emphasised the gravity of papillœdema as evidence of the malignant type of essential hypertension, and it should be realised that the other signs of retinitis (hæmorrhages and exudate), though nearly always present in malignant hypertension, have not the same significance. Retinal hæmorrhages are not uncommon in benign hypertension, and extensive exudates are occasionally seen, especially in elderly patients with diabetes. In the absence of papillœdema the course even in these patients is benign.

The histological differentiation of malignant hypertension from benign hypertension presents no difficulties, for in benign hypertension acute glomerular lesions are absent and the acute arteriolar necrosis and "endarteritis fibrosa" always found in malignant hypertension do not occur.

Cerebral tumour is occasionally suspected in patients with malignant hypertension. The absence of localising signs, the high level of the blood pressure and the cardiovascular hypertrophy, with albumin in the urine, will differentiate the two conditions. Once the possibility of this error is realised there will seldom be any difficulty.

PROGNOSIS

The prognosis in malignant hypertension is extremely grave. In this series of 40 patients the longest time between the first appearance of symptoms and death was five years and the shortest four weeks, while the average duration from first symptom to death was only one year. In only 5 cases did the total duration exceed two years.

This is in striking contrast to the outlook in benign hypertension, in which life and relatively good health are usually maintained for many years. Patients with benign hypertension not infrequently live ten, fifteen, or even twenty years after their hypertension is discovered. During this period their activity may be little limited and death when it comes may be due to some quite extraneous cause. There is little doubt that the failure to differentiate the malignant form of hypertension from the benign has been in large part responsible for the far too gloomy outlook of our profession on hypertension in general.

TREATMENT

The treatment of malignant hypertension is the treatment of heart failure, for some degree of heart failure is present in every case. In addition treatment may have to be directed to the relief of symptoms due to increased intracranial pressure which is also present in all these patients.

The type of heart failure is always the same. It is the type characterised by pulmonary congestion and pulmonary œdema which we recognise as failure of

the left side of the heart. Its main manifestations are attacks of nocturnal breathlessness or "cardiac asthma," due to pulmonary congestion, and acute pulmonary œdema which is not infrequently the cause of death. Peripheral venous congestion and œdema, the signs of failure of the right side of the heart, are usually slight and may be absent, even when death from heart failure is threatened.

Attacks of pulmonary congestion are apt to come on suddenly and the resulting symptoms are severe and alarming. Emergency treatment may therefore be required. In less severe attacks a period of rest in bed and the administration of digitalis will often reduce their frequency and severity. In more severe attacks of pulmonary congestion, with threatening pulmonary œdema, venesection, and the administration of morphia often give dramatic relief.

The treatment of symptoms due to increased intracranial pressure, in patients with malignant hypertension, is less satisfactory. The attacks of morning headache and vomiting are difficult to control. Aspirin and similar analgesics give some relief but symptomatic treatment is far from successful. If the attacks are frequent and very severe, active attempts to lower intracranial pressure by lumbar puncture and hypertonic intravenous or rectal injections may be tried. If hypertensive cerebral attacks with convulsions and temporary paralyses occur, venesection and the administration of morphia in addition to the above-mentioned measures are indicated. The terminal stage of the illness is often most distressing and in view of the invariably fatal termination morphia should not be withheld.

CONCLUSION

In this lecture I have attempted to give the results of a combined clinical and pathological study, extending over many years, of the condition we recognise as malignant hypertension. We believe this condition to be a generalised, or at least widely spread vascular disorder occurring in patients with a primary hypertension. The cause of this primary hypertension is quite unknown, but we do not think it is attributable to the lesions found in the kidney at death, for the evidence which has been presented leads inevitably to the conclusion that involvement of the kidney is a late, even terminal, manifestation of the disorder. We therefore regard the lesions in the kidney—in the capillaries of the glomeruli as well as in the arterioles and small arteries—as a part of the widespread vascular disorder characteristic of this type of hypertension, and comparable with the vascular lesions in other organs.

The *differentiation* of malignant hypertension and certain cases of chronic diffuse nephritis may be difficult in the later stages when renal failure is fully developed, but if the patients are seen soon after the onset of symptoms it should be easy.

The *prognosis* in malignant hypertension is very grave, death usually occurring within one year of the appearance of the first symptom; it is in striking contrast to the relatively good prognosis in benign hypertension.

The *treatment* is essentially the treatment of failure of the left side of the heart, which is invariably present in some degree.

In regard to *classification*, we feel that the completely meaningless term, chronic interstitial nephritis, should be discarded. There are two main groups of patients with hypertension: those with chronic diffuse nephritis on the one hand, and those with essential hypertension on the other. Essential hypertension is however not a single entity. It must be separated into two forms, malignant and benign; these must be sharply differentiated, the presence or absence of papillœdema being the guiding factor. The term hyperpiesia, if used, should be reserved for the common benign form in which papillœdema is absent.

I am convinced that the recognition of this form of Bright's disease as a distinct clinical and pathological entity is of great help in clearing the confusion which has become traditional in this branch of medicine; even more we have reason to hope that an understanding of the natural history of this disorder will throw new light on the pathogenesis of inflammatory lesions in the kidney in general.

In conclusion I should like to express my very real gratitude to Prof. Turnbull who has so generously given me the use of his material. I should like also to thank the physicians of the London Hospital, who have one and all given me access to their patients.

PROF. ELLIS: DESCRIPTIONS OF ILLUSTRATIONS ON PLATE

FIG. 1.—Kidney. Malignant hypertension in relatively early stage. Majority of glomeruli normal. (Hæmatoxylin and eosin, ×40.)

FIG. 2.—Kidney. Malignant hypertension in the late stage with renal failure. (Hæmatoxylin and eosin, ×40.)

FIG. 3.—Kidney. Malignant hypertension showing acute necrosis of afferent arterioles to two glomeruli, and "endarteritis fibrosa" of two small arteries. (Hæmatoxylin and eosin, ×110.)

FIG. 4.—Kidney. Malignant hypertension, acute necrosis of afferent arteriole and "endarteritis fibrosa" of interlobular artery. (Hæmatoxylin and eosin, ×135.)

FIG. 5.—Kidney. Malignant hypertension. "Endarteritis fibrosa" of interlobular artery showing cellular intimal thickening between endothelium and elastica interna. (Weigert's elastic stain, ×98.)

FIG. 6.—Kidney. Benign hypertension: "elastosis" of interlobular artery showing intimal thickening with great increase of elastic tissue in contrast to endarteritis fibrosa. (Weigert's elastic stain, ×98.)

FIG. 7.—Pancreas. Malignant hypertension showing acute necrosis of arterioles. (Hæmatoxylin and eosin, ×72.)

FIG. 8.—Adrenal. Malignant hypertension. Acute necrosis of arteriole, with great dilatation and swelling of the wall. (Hæmatoxylin and eosin, ×68.)

FIG. 9.—Intestine. Malignant hypertension. Acute necrosis of small arteries with aneurysmal dilatation. (Hæmatoxylin and eosin, ×142.)

FIG. 10.—Intestine. Malignant hypertension showing small artery with great narrowing of its lumen due to the deposition of fibrinoid material between the internal elastic lamina and the endothelium. (Weigert's elastic stain, ×700.)

FIG. 11.—Appendix. Malignant hypertension, acute necrosis of arterioles. (Hæmatoxylin and eosin, ×110.)

FIG. 12.—Retina and choroid. Malignant hypertension, acute necrosis of small arteries in choroid. (Hæmatoxylin and eosin, ×44.)

FIG. 13.—Brain. Malignant hypertension showing acute necrosis of arteriole. (Hæmatoxylin and eosin, ×300.)

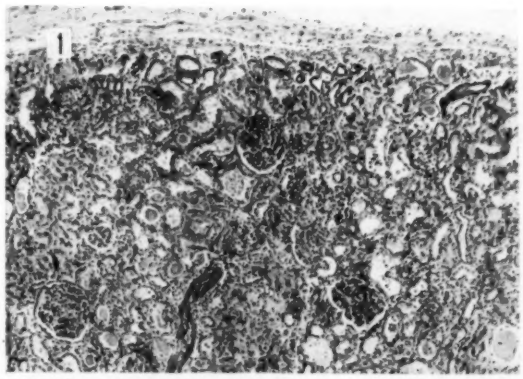
FIG. 14.—Kidney. Malignant hypertension. Case described in text. (Hæmatoxylin and eosin, ×44.)

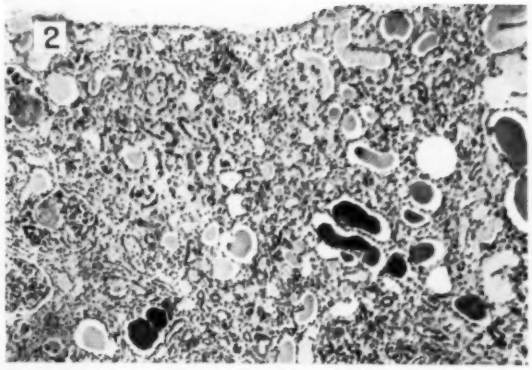
FIG. 15.—Kidney of same patient, showing acute necrosis of interlobular artery and afferent arteriole. (Hæmatoxylin and eosin, ×110.)

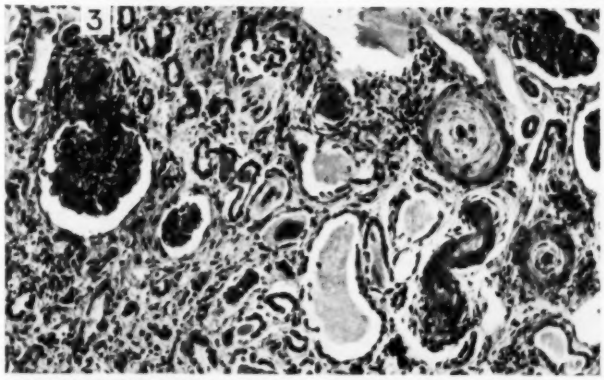
FIG. 16.—Pancreas of same patient, showing acute necrosis of small artery. (Hæmatoxylin and eosin, ×155.)

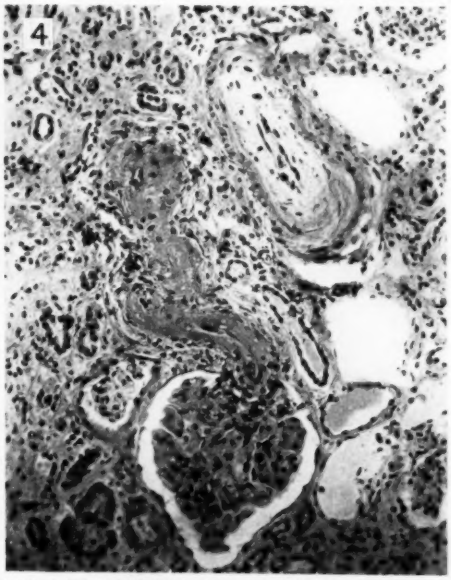
FIG. 17.—Adrenal of same patient, showing acute necrosis of arterioles. (Hæmatoxylin and eosin, ×110.)

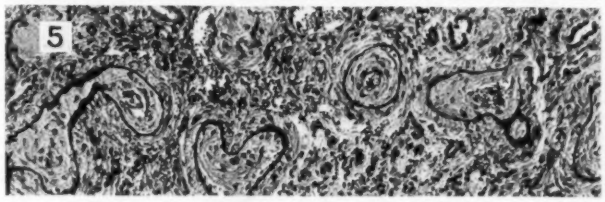
PROF. ELLIS : MALIGNANT HYPERTENSION

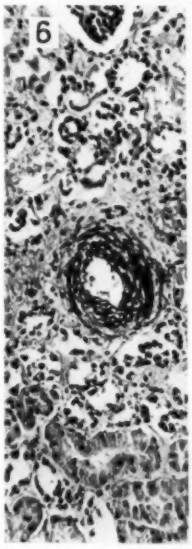


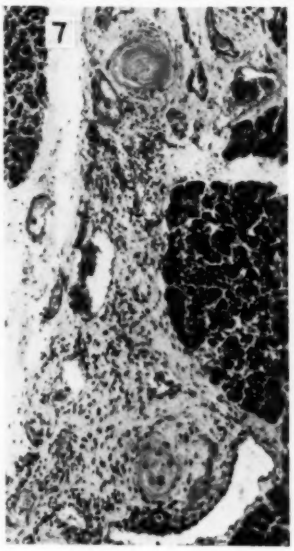


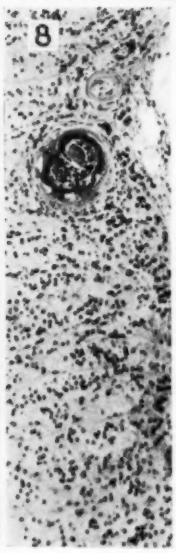


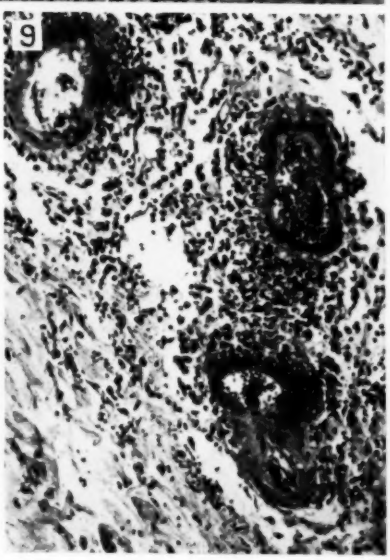




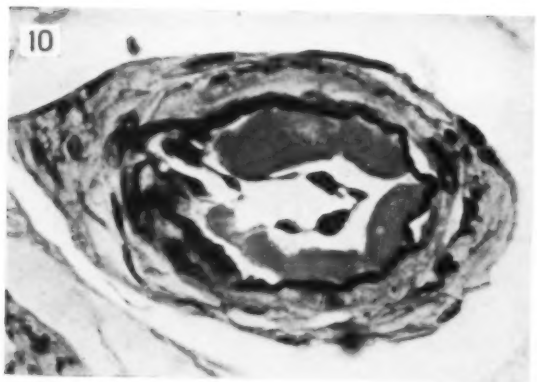


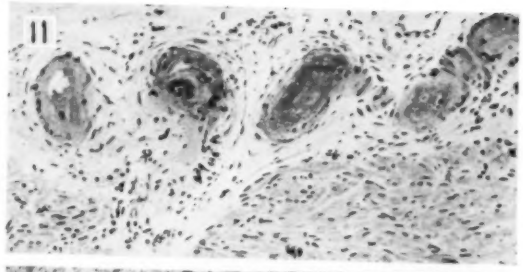


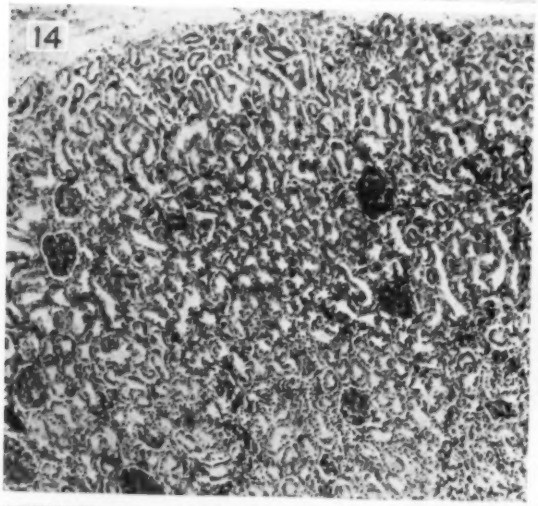


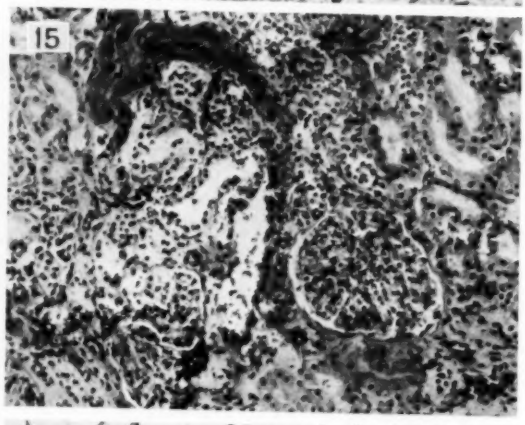


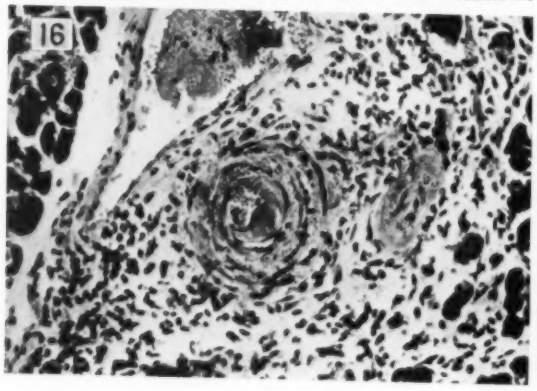
PROF. ELLIS : MALIGNANT HYPERTENSION

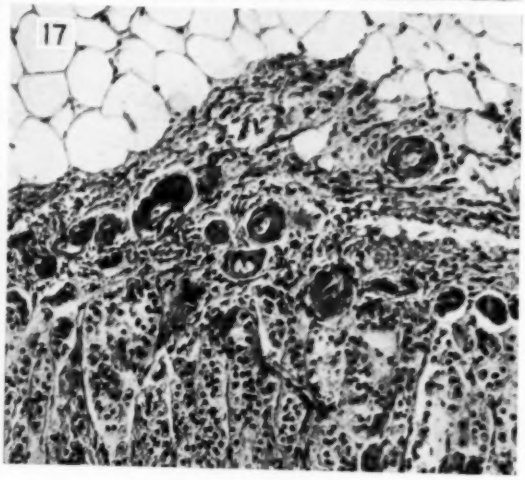












SOME DEFICIENCIES OF NUTRITION AND THEIR RELATION TO DISEASE *

By Charles C. Ungley, M.D. Durh., F.R.C.P. Lond.

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III—NUTRITION AND THE NERVOUS SYSTEM: WITH SPECIAL REFERENCE TO POLYNEURITIS AND SUBACUTE COMBINED DEGENERATION OF THE CORD

Forty-one years ago Christiaan Eijkman reported classical experiments which showed that deficient nutrition could give rise to degenerative lesions in the peripheral nerves. After much controversy it now seems clear that both beri-beri in man and experimental beri-beri in animals can adequately be explained on the basis of a B_1-avitaminosis (see Cowgill 1934).

Deficient intake of vitamin B_1 is the chief cause of beri-beri in rice-eating communities, although gastro-intestinal disturbances and infections sometimes accentuate the deficiency. In temperate climates beri-beri has followed drastic restriction of diet due to "indigestion," vegetarianism, "slimming," and food fads, but of particular interest is the possibility that polyneuritis associated with alcoholism, pregnancy, and gastro-intestinal disorders may be due to vitamin-B_1 deficiency. Lettsom (1786), in giving us the first description of alcoholic polyneuritis, drew attention to the frequency of gastro-intestinal disturbances and distaste for food, but regarded the polyneuritis as a direct neurotoxic effect of alcohol. Shattuck (1928) was probably the first to suggest that "alcoholic" polyneuritis was caused by failure to take or to assimilate food containing sufficient vitamin B (see also Wechsler 1930 and 1933, Minot, Strauss, and Cobb 1933, Villaret et al. 1936a and b). Jolliffe, Colbert, and Joffe (1936) found in alcohol addicts a definite correlation between the adequacy or inadequacy of vitamin-B_1 intake and the presence or absence of polyneuritis. The rate of improvement in the polyneuritis under treatment varied with the amount of vitamin B_1 administered (Jolliffe and Colbert 1936). Strauss (1935) gave 1–2 pints of whisky daily along with large amounts of vitamin B_1 and other food factors to ten patients with "alcoholic" polyneuritis; the polyneuritis improved in every instance.

It is clear that in some cases at least the polyneuritis is not the direct result of alcohol per se and "may properly be regarded as beri-beri."† Deficient intake of vitamin B_1 results from neglect, anorexia, nausea, and sometimes vomiting. Requirements are increased by the high caloric value of the alcohol, which acts as a pure carbohydrate. At the same time absorption is impaired by an abnormal state of the gastro-intestinal tract brought about by the direct action of alcohol on the mucous membranes and its destructive effect on alimentary enzymes (Blotner 1936). By a vicious circle, the resulting state of subnutrition adversely affects gastro-intestinal function and may be the cause of achlorhydria (Joffe and Jolliffe 1937). Infections such as tuberculosis which increase the utilisation of vitamin B_1 may render a latent deficiency manifest.

Alcoholic polyneuritis is rare in the north of England and I have encountered only two cases in recent years. The vitamin B_1 : calorie ratio of the diet had been low, taking into account the caloric value of the alcohol ingested, and vitamin B_1 in the urine was subnormal in amount. Schopfer's test for vitamin B_1 applied to the blood in one instance gave a low value (5 μg. per 100 c.cm.).

POLYNEURITIS OF PREGNANCY

Clinical and pathological resemblances between gestational polyneuritis and beri-beri have been noted by Wechsler (1933) and others. Factors giving rise to deficiency include: nausea affecting food intake; persistent vomiting, which is usually a feature (Berkwitz and Lufkin 1932); the use of carbohydrate-rich foods poor in vitamin B_1; increased requirements for vitamin B_1 due to raised metabolism and fœtal demands; and possibly poor assimilation due to low gastric acidity (Strauss and Castle 1932). Few cases recover during gestation when treated on conventional lines, but supplements of vitamin B_1 and other food factors are almost always effective (Strauss and McDonald 1933; see also Fouts et al. 1934, Sze 1934, Vorhaus et al. 1935, Theobald 1936).

In the following case the development of polyneuritis was delayed until after parturition.

A woman, aged 22, had intractable vomiting during her second pregnancy, which ceased after spontaneous abortion at the end of the fourth month. Ten days later she lost the use of her arms and legs and soon became completely helpless, with extensive wasting, loss of tendon-jerks, and sensory loss; cerebro-spinal fluid normal; gastric hypochlorhydria. There was tachycardia and the intravenous injection of adrenaline caused a marked drop in diastolic blood pressure.

Even before pregnancy the patient's diet had contained only about 230 I.U. of vitamin B_1 per day. Schopfer's test for vitamin B_1, applied to the blood after spontaneous clinical improvement had set in, gave a value of 7 μg. per 100 c.cm. which is not particularly low. The urinary excretion of vitamin B_1, however, was very poor and there was no response to a test dose.

Fig. 1 shows the various forms of treatment tried and the progress of changes in the clinical condition. Pregnancy had terminated and spontaneous improvement in the neurological condition had already commenced when treatment was started. Vitamin B_1 seemed to bring about a more rapid gain in weight and perhaps in the rate of growth of finger-nails. The rate of neurological improvement on the other hand did not alter much. It is possible that the "biochemical lesion" was healed shortly after pregnancy terminated and vomiting ceased, and that the rate of neurological improvement thereafter depended on the rate of regeneration of new nerve-fibres in the peripheral nerves; being hastened little or not at all by the successive therapeutic measures employed.

POLYNEURITIS ACCOMPANYING LESIONS OF THE ALIMENTARY TRACT

The rôle of lesions of the alimentary tract in the production of deficiency was discussed in Lect. I. I then referred to a case in which beri-beri resulted from dietary restriction for gastric ulcer. The patient was a sea-going fitter, aged 37, on a voyage to the Far East. Digestive symptoms and unpalatable food caused him to limit his diet to rice and soup. Following an attack of diarrhœa and vomiting he developed

* The Goulstonian lectures for 1938, delivered before the Royal College of Physicians of London on March 3rd, 8th, and 10th. Lects. I and II appeared in our last two issues.

† It is by no means certain, however, that *all* varieties of "alcoholic" neuritis are due to vitamin-B_1 deficiency. Evidence that long-continued or often-repeated subjection to alcohol poisoning may be a direct cause of neuritis is contained in recent work which showed that tadpoles subjected to the influence of low concentrations of alcohol developed degeneration of the peripheral nerves, which could be observed microscopically during life (Speidel 1936).

generalised œdema and paralysis. A year after recovering from beri-beri epigastric pain recurred; examination showed a gastric ulcer, hypochlorhydria, and an excess of mucus. Vitamin-B_1 excretion was poor, suggesting low reserves.

Polyneuritis also occurred in a crane driver, aged 52, who following treatment in hospital for gastric ulcer kept to a restricted diet without recurrence of digestive symptoms.

After a year he developed numbness and weakness of the limbs, and later extensive paralysis, wasting, and sensory loss in the extremities. The cerebrospinal fluid was normal except for a slight increase in protein (0·06 per cent.). Examination showed tachycardia, increased capillary fragility, and hypochlorhydria. Vitamin-B_1 excretion was somewhat poor but the findings did not indicate a very severe degree of deficiency (see Lect. I, Fig. 5). The polyneuritis progressed during a control period and slowly improved during vitamin-B_1 therapy. But even when the dose of vitamin by mouth and by injection was increased to 50 mg. (25,000 units) a day, there was no *dramatic* response, and a causal relationship to vitamin-B_1 deficiency was not conclusively established.

Gastric achlorhydria is thought to favour the development of beri-beri, particularly when the diet is restricted (Cowgill 1934). I shall describe later a case of polyneuritis following prolonged vomiting and diarrhœa in a patient with pernicious anæmia.

Deficient nutrition may account for the "cachectic" polyneuritis occasionally encountered in cancer (Shattuck 1928, Minot 1929, Wechsler 1933, Perkins 1936), and for the polyneuritis secondary to pyloric stenosis described by French authors (see Strauss 1938). I have recently seen polyneuritis, confirmed pathologically, in a miner, aged 47, with pyloric stenosis.

For two years his diet had been limited because of gastric pain and poor teeth, the vitamin-B_1 intake being about 275 I.U. daily. He seldom vomited. There was extreme pyloric stenosis and high acidity, and a simple ulcer was suspected. He had pain, tenderness, and weakness of the legs, paralysis being greatest in the peronei and extensors of the toes. Deep reflexes were absent and sensory phenomena were prominent (Fig. 2). These findings were unchanged after electrical treatment and massage for five weeks. Thereafter vitamin-B_1 injections led to slow but definite improvement. Operation revealed a small scirrhous pyloric carcinoma. The presence of degenerative lesions in the peripheral nerves was confirmed at autopsy a week later. With Schopfer's test the blood showed a low content of vitamin B_1

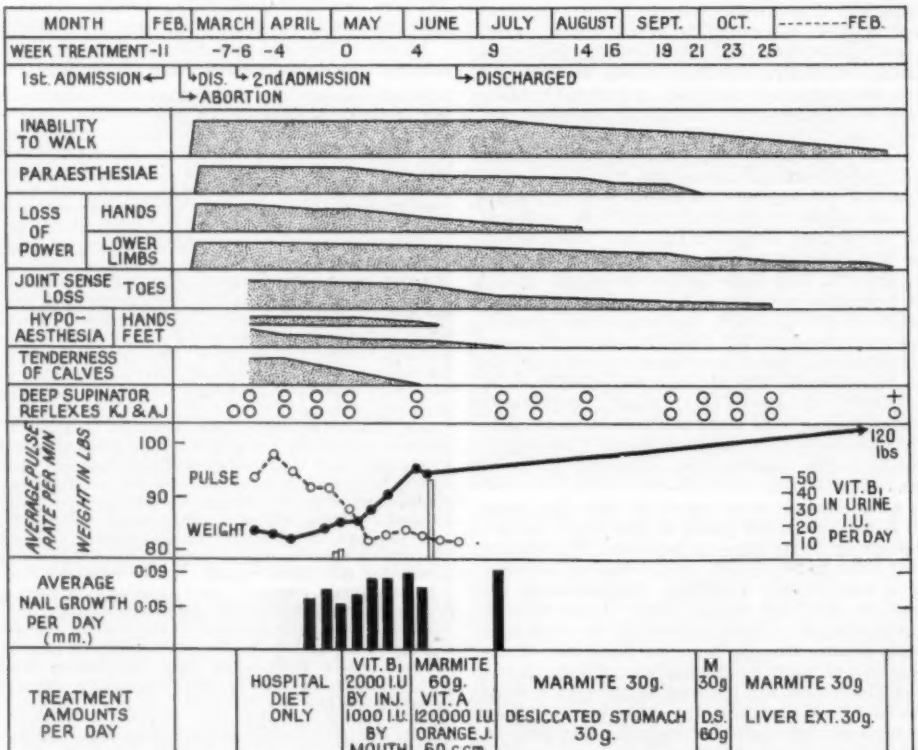

FIG. 1.—Diagrammatic representation of the progress of a case of polyneuritis which followed hyperemesis gravidarum (see text).

U.E. = upper extremities.
L.E. = lower extremities.
INCOORD. = incoördination.
R., L. = right, left.
K.J., A.J. = knee-jerks, ankle-jerks.
+ = normal, + + = exaggerated.

SL. = slight, O = absent.

↑ = extensor, ↓ = flexor.

OUTER, INNER: plantar response obtainable on stroking outer or inner sides of sole of foot.

R.W., L.W. = right wrist, left wrist recovering.
(B) = able to feed self (hold bread).
R : N = right : normal.
I.U. = international units.
R.B.C. = red blood-cells.
HB. = hæmoglobin.

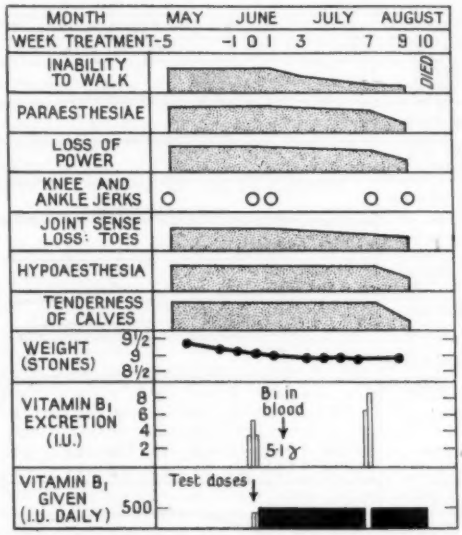

FIG. 2.—Polyneuritis associated with pyloric stenosis, showing the effect of injections of vitamin B_1.

(5·1 μg. per 100 c.cm.). Urinary excretion tests demonstrated that the stores of vitamin B_1 were severely depleted and it is possible that larger doses of the vitamin would have produced a more rapid effect on the neurological symptoms.

Polyneuritis complicating chronic intestinal disorders such as ulcerative colitis (Jones 1933) and cœliac disease (Haas 1929) is probably the result of dietary deficiency and impaired absorption. In the following case polyneuritis was a sequel to faulty gastro-enterostomy (cf. Urmy et al. 1934).

A cycle-maker, aged 54, had gastro-enterostomy for gastric ulcer in November, 1935. Gastric symptoms ceased, but he lost weight and the limbs became weak and numb. Examination in April showed sensory loss, weakness, and wasting in upper and lower limbs with absent tendon-jerks; amnesia, disorientation, and depression; aphonia; cerebro-spinal fluid normal except for slightly increased protein. Also tachycardia, numerous extrasystoles, and sometimes auricular fibrillation; thickened radial arteries, blood pressure 120/90, little cardiac enlargement; achlorhydria. Food leaving by the pylorus re-entered the stomach by the gastro-enterostomy stoma leading to a "circus movement" with gross stasis and bacterial proliferation. Vitamin-B_1 intake had been poor (about 145 I.U. daily) and excretion in the urine was extremely low. The neurological condition was unchanged during five weeks' control period on a diet low in vitamin B_1. After injections of 500 I.U. of vitamin B_1 daily for three months he gained 5 lb., improved mentally and could walk alone, but the physical signs altered little (Fig. 3). With 1000 I.U. daily he gained 21 lb. in seven weeks with more rapid improvement in walking, memory, and sensation. He died at home from sudden heart failure a month later.

On the whole the evidence available justifies the belief that polyneuritis associated with alcoholism, pregnancy, and gastro-intestinal lesions is due, in some cases at least, to nutritional deficiency. Ætiological factors are low intake, poor assimilation, and increased utilisation of vitamin B_1. According to Strauss (1936) the neurological manifestations do not differ from beri-beri either clinically or pathologically. The cases described were characterised by sensory as well as motor involvement; a fairly symmetrical distribution, affecting most the distal parts of the extremities; and little or no increase of protein in the cerebro-spinal fluid. There were mental symptoms in some instances. Cardiovascular symptoms were common (see Weiss and Wilkins 1937). Other signs of nutritional deficiency were frequent. Low values for vitamin B_1 have been found in the blood in alcoholic polyneuritis and polyneuritis secondary to pyloric stenosis, and a moderate value in a case of polyneuritis of pregnancy undergoing spontaneous recovery. The excretion of vitamin B_1 in the urine was low in all cases, and the response to test doses was slight or delayed (see Figs. 1, 2, and 3; and Fig. 5, Lect. I, and Harris, Leong, and Ungley 1938). A response to vitamin-B_1 therapy after a control period without improvement was observed in some cases, but the effects were not dramatic. Dosage, by present standards, was not always adequate, but even with 30–50 mg. daily and a supply of other food factors improvement was sometimes slow, due perhaps to the time required for regeneration in

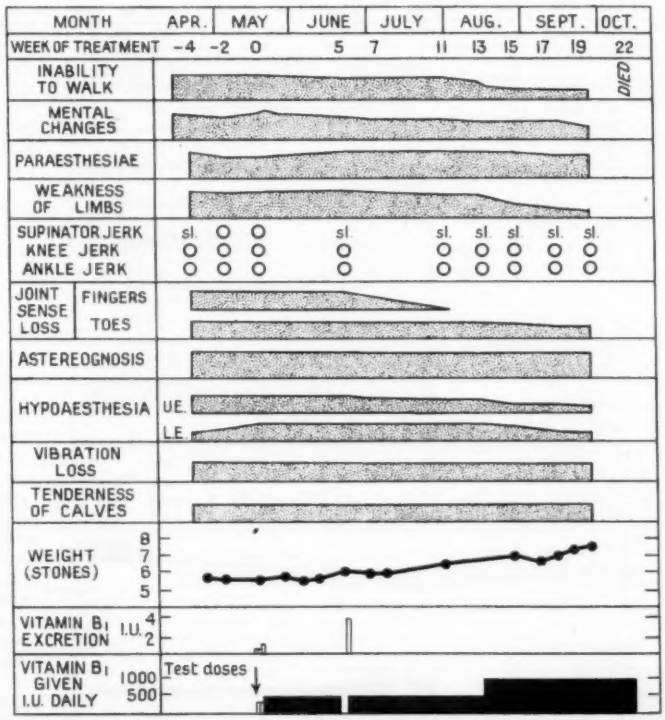

FIG. 3.—To illustrate the effect of vitamin B_1 injections in a case of polyneuritis which followed faulty gastro-enterostomy

severely damaged neurones. The possible rôle of deficiency of other food factors, particularly vitamin A (see Mellanby 1934), needs further consideration.

OTHER TYPES OF POLYNEURITIS

Is there any evidence that nutritional deficiency plays a part in types of polyneuritis other than those already discussed? Long febrile illnesses are sometimes followed by polyneuritis, perhaps as a result of deficient intake, increased katabolism, and possibly poor assimilation of vitamin B_1.

Some have regarded diabetic neuritis as the result of vitamin-B_1 deficiency (see e.g., Vorhaus, Williams, and Waterman 1935). It is argued that the motor or paralytic form of diabetic neuritis is uncommon under 40, whereas the most severe forms of diabetes occur before that age. Diabetes commencing after 40 is often preceded by obesity and an excessive intake of highly milled cereals poor in vitamin B_1. Disordered carbohydrate metabolism and tissue wasting are thought to increase the need for the vitamin, while achlorhydria, which is not infrequent, would perhaps impair its assimilation. But a beriberi-like state in diabetes is very rarely observed (Wohl 1926), and ordinary diabetic "neuritis" does not resemble beri-beri either clinically or pathologically. Two recently observed cases were men 66 and 68 years old. Neither had diabetes severely. Pulmonary tuberculosis (afebrile) was a complication and both had hardened radial arteries. One had hypertension, severe generalised polyneuritis with wrist-drop and involvement of the shoulder-girdle, but no sensory phenomena. The other had paræsthesiæ, hypoæsthesia, leg weakness, and loss of knee- and ankle-jerks. Protein in the cerebro-spinal fluid was considerably increased. Neither patient had achlorhydria. The vitamin-B_1 intake in one case was good, and vitamin-B_1 excretion was normal. The other patient had taken a poor diet and showed low urinary values for vitamin B_1. Vitamin B_1 in the blood according to Schopfer's method was normal in each case. Evidence so far available does not seem to justify the inclusion of diabetic "neuritis" amongst the forms of polyneuritis due to vitamin-B_1 deficiency.

I have also investigated other cases of polyneuritis which, on clinical grounds, were classified as probably not of nutritional origin: lead palsy, diphtheritic, "acute infective," "chronic progressive" types, and others of unknown causation. Sensory phenomena were usually slight or absent. The cerebro-spinal fluid protein was often raised. Signs of nutritional deficiency were not usually present. Some excreted as much vitamin B_1 as controls of the same social status; others showed poor excretion. It must be remembered that while "normal" figures for urinary excretion are strong evidence against the existence of vitamin-B_1 deficiency, low figures afford no justification in themselves for concluding that the disease

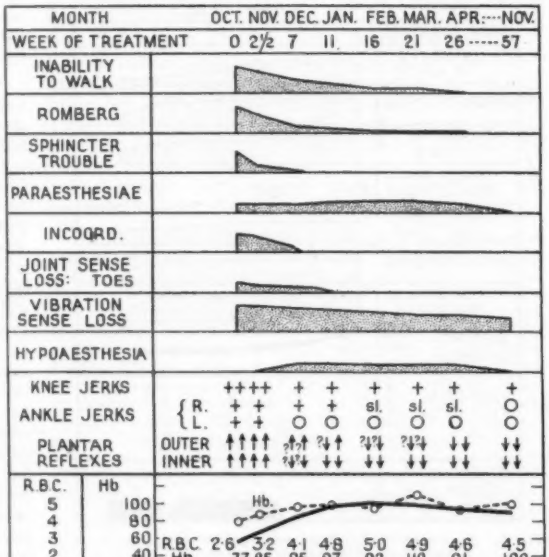

FIG. 5.—A case of pernicious anæmia and subacute combined degeneration of the cord, to illustrate the effect of parenteral liver therapy on the neurological symptoms and signs.

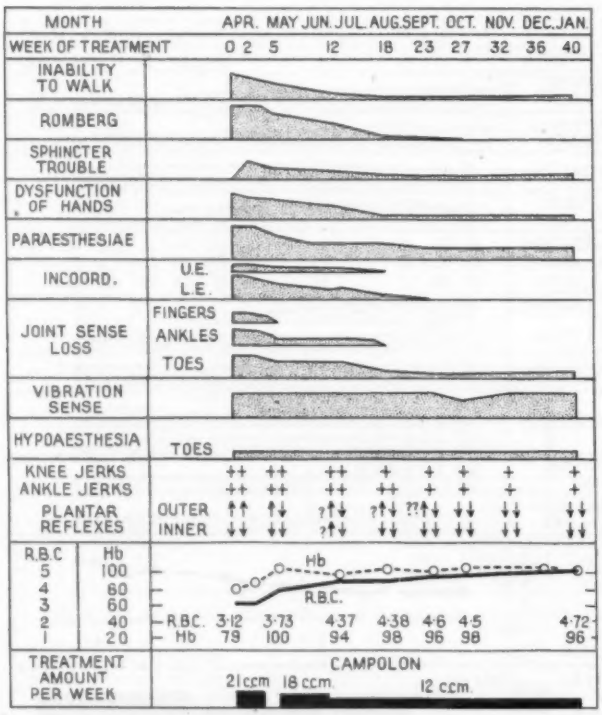

FIG. 4.—Changes in the neurological condition in a patient with pernicious anæmia and subacute combined degeneration during treatment with liver extract intramuscularly.

from which the patient suffers is necessarily the result of vitamin-lack. None of the cases tested had deficiency of vitamin B_1 in the blood by Schopfer's method. Therapeutic tests were sometimes difficult to assess because of a tendency to spontaneous remission, but for the most part vitamin B_1 appeared to be without influence on these forms of polyneuritis. Clearly, however, much more work needs to be done before the rôle of nutritional deficiency in the various types of polyneuritis can be assessed.

Subacute Combined Degeneration of the Cord

It is probable that subacute combined degeneration, like pernicious anæmia, is the result of a nutritional deficiency based on a gastric defect. Minot and Murphy (1926) observed that liver sometimes caused improvement in paræsthesiæ and coördination but attributed it to improvement in the general condition. A follow-up of a large series of cases of subacute combined degeneration in 1929 led us to believe that liver had a direct effect on the neurological manifestations (Ungley and Suzman 1929). It is probable that more potent material is required to arrest the progress of lesions in the nervous system than to supply the needs of blood formation. With orally administered material failures were not infrequent, partly due to the difficulty of maintaining a sufficiently high intake. The beneficial effects of liver therapy on the nervous lesions have been more readily demonstrable since injectable liver extracts became available. Results obtained with Campolon and Pernæmon forte in thirty-one cases of subacute combined degeneration of the cord were summarised in 1935 (Ungley and Nattrass). Improvement was closely related to the duration of symptoms. Eighteen cases with difficulty in walking for 1 year or less improved, however severe the paraplegia, whereas six cases with an average duration of 5 years showed little or no change. Factors such as age and initial degree of anæmia were of relatively little importance. In cases of short duration (under 2 years) the results were equally good in patients with signs referable chiefly to the posterior columns, in those with pyramidal signs predominant, and in those with marked involvement of both posterior and lateral columns. Patients with severe paraplegia and incontinence of urine sometimes recovered completely their sphincter control and ability to walk, and even returned to strenuous occupations. Paræsthesiæ, dysfunction of the hands, sphincter disorders, mental disturbances, incoördination, and impaired joint sense improved fairly consistently; impaired vibration sense and hypo-æsthesia less so. Absent knee- and ankle-jerks often returned; increased jerks altered less frequently. Extensor plantar reflexes in cases of short duration sometimes became flexor. Figs. 4 and 5 are intended to illustrate the type of improvement which can occur.

Not all the improvement which we have observed could be attributed to lesions in the peripheral nerves. The glove and stocking distribution of sensory phenomena is not necessarily an indication that the causative lesion is situated in the peripheral nerves. The rate of improvement in paræsthesiæ is not in my experience any more rapid than that of other neurological phenomena. I have encountered a number of cases of pernicious anæmia in which the paræsthesiæ were initiated or increased by flexion of the head on the trunk: an observation which I feel suggests a central rather than a peripheral origin for this symptom.

In the central nervous system completely destroyed axis-cylinders cannot regenerate, but function in the spinal cord may improve perhaps owing to greater utilisation of uninjured pathways or even restoration of conductivity in some of the less damaged fibres. In the acute stages the fibres in the posterior and lateral columns show vacuolation and fatty changes. In treated cases where the progress of the condition has been arrested, and where clinical improvement has occurred, the vacuoles have gone and the fat has cleared away. There is very little myelin left

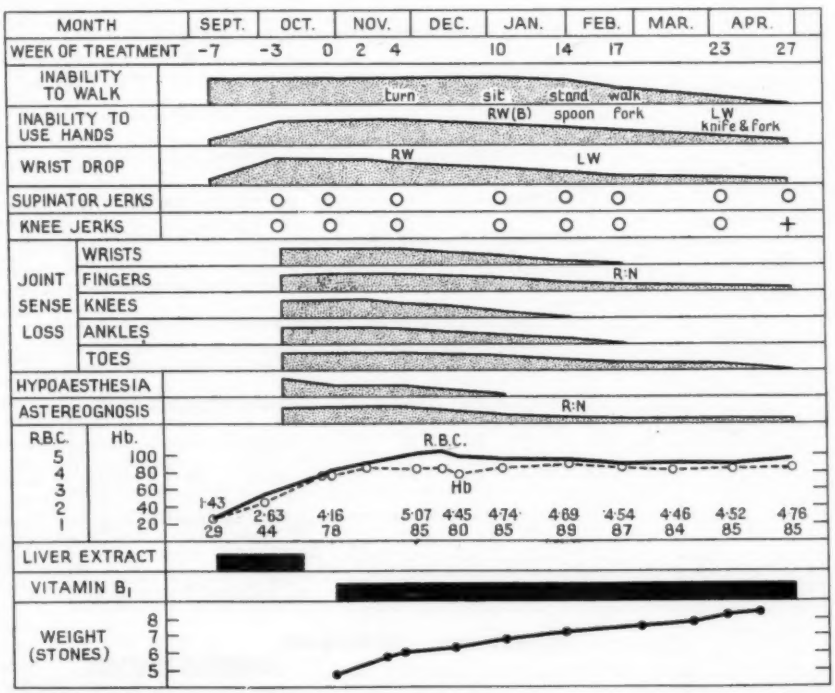

FIG. 6.—A case of pernicious anæmia in which polyneuritis followed prolonged anorexia, vomiting, and diarrhœa. Parenteral liver therapy was without effect on the neurological condition, but recovery followed the daily injection of vitamin B_1. The clinical picture was quite unlike subacute combined degeneration.

and the area appears shrunken. There is, however, little proliferation of glia, and when quiescent the condition looks like any secondary degeneration. A variable number of intact nerve-fibres may be seen running through the affected area.

The substance in liver extract necessary for the nutrition of the nervous system is possibly distinct from the hæmopoietic principle, arising in a similar way from the interaction of two factors, extrinsic and intrinsic. An investigation of the dietaries of cases of pernicious anæmia has shown no differences between those with and those without spinal cord degeneration. On the other hand, certain facts suggest that there is an intrinsic difference and that the gastric juice in cases of subacute combined degeneration may lack a factor distinct from "hæmopoietin" and for which Hurst (1934) suggests the name "neuropoietin." In Addisonian pernicious anæmia, where defect in gastric secretion is marked, the incidence of subacute combined degeneration reaches 30–40 per cent. In pernicious anæmia associated with gastrectomy, and with polyposis and other diseases of the stomach, the incidence is also high. In contrast in this respect are macrocytic hyperchromic anæmias occurring in sprue, cœliac disease, and pregnancy in which factors other than gastric defect (for example deficient diet, poor absorption, demands of the fœtus) are largely responsible for the deficiency of hæmopoietic principle. In these cases free hydrochloric acid is often present in the gastric juice, the response to extrinsic factor alone (as Marmite) is usually excellent, and subacute combined degeneration is extremely rare.

If there is any difference between the gastric secretion in subacute combined degeneration and that in pernicious anæmia without spinal cord degeneration, however, it is not shown by the results of ordinary gastric analysis. Moreover, the pathological changes in the stomach of a patient dying with subacute combined degeneration were not different from those of patients showing pernicious anæmia without neurological phenomena (Magnus and Ungley 1938).

It has been suggested that the lesions in the nervous system in pernicious anæmia are the result of deficiency or poor utilisation of vitamin A, vitamin B, or iron. The occurrence in pernicious anæmia of a nutritional polyneuritis of the type associated with vitamin-B_1 deficiency must be extremely rare. In the only case I have encountered in which this combination was present, the picture was quite unlike that of subacute combined degeneration. Liver extracts relieved the anæmia without benefiting the polyneuritis, which slowly cleared up during the administration of vitamin B_1 alone (Fig. 6).

The patient, a woman 40 years of age, came under treatment for pernicious anæmia in 1934. In 1935 after suffering for four months from abdominal pain, vomiting, diarrhœa, and extreme anorexia she suddenly developed severe generalised polyneuritis. Treatment for five weeks with liver extract by injection brought about remission of the anæmia, but the polyneuritis became worse. Two weeks later injections of vitamin-B_1 concentrate 100 units daily were commenced. The patient was kept on a meat-free diet, and no further liver therapy was given. By this time she was completely helpless and incontinent with double wrist-drop and foot-drop. Recovery in power commenced by the twentieth day and was complete at the seventh month. She has since remained well on ordinary diet without treatment of any kind.

Estimation by Schopfer's method has shown no evidence of vitamin-B_1 deficiency in the blood in cases of pernicious anæmia with or without subacute combined degeneration. Treatment with concentrates of vitamin A and of vitamin B_1 has given disappointing results. Highly purified liver extracts such as anahæmin, which have proved as successful as other liver extracts in the treatment of subacute combined degeneration, contain neither of these vitamins.

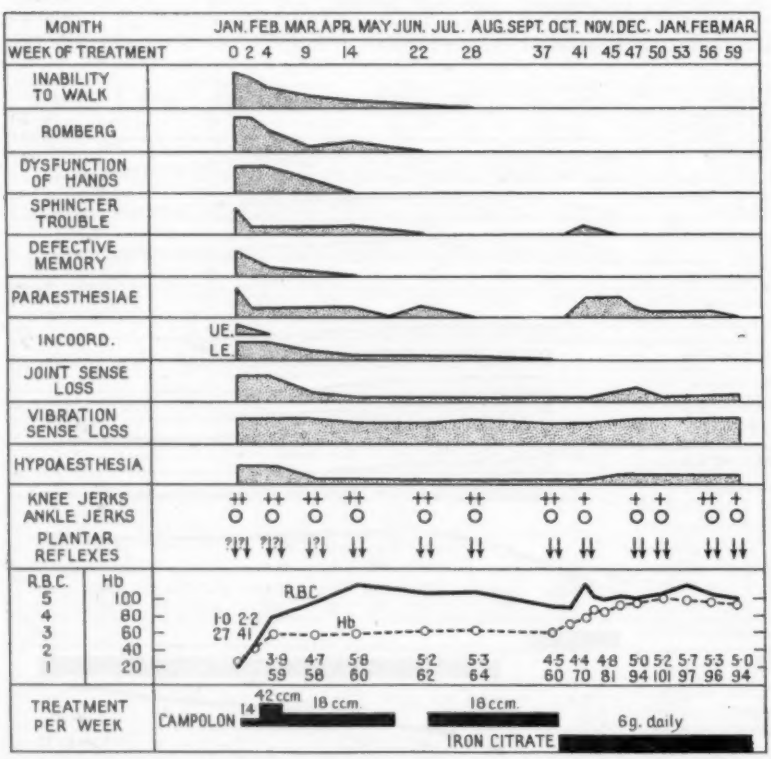

FIG. 7.—To illustrate that the neurological manifestations of pernicious anæmia may improve even in the presence of an iron-deficiency anæmia. The patient had suffered from chronic hypochromic anæmia several years previously (see Lect. II, Fig. 8). On the present occasion the picture was that of pernicious anæmia, but the tendency to iron deficiency was unmasked when the red blood-cell count was brought to normal with liver extract (see text).

I find no evidence that large doses of iron alone are of value in subacute combined degeneration; indeed, I have seen relief of neurological symptoms occur in a case of pernicious anæmia and subacute combined degeneration coincidently with, and in spite of, the development of an iron deficiency.

The patient, a woman aged 50, was first admitted to hospital in May, 1929, with idiopathic hypochromic anæmia. She returned in January, 1934, with typical pernicious anæmia and subacute combined degeneration. Following injections of Campolon there was a reticulocyte response and a rapid rise of red blood-cells to over 5 million per c.mm. (Fig. 7). The hæmoglobin values failed to rise beyond 60 per cent., however, and during the next seven months the blood picture was again that of idiopathic hypochromic anæmia. There was ulceration at the angles of the mouth and spooning of the nails. Coincidently with and in spite of the development of this iron-deficiency anæmia the neurological condition showed marked improvement. Difficulty in walking, paræsthesiæ, and other subjective symptoms disappeared and the objective signs of involvement of the nervous system considerably diminished.

At present there is no conclusive evidence that any substance lacking the characteristic effect of liver upon hæmopoiesis in pernicious anæmia can arrest the progress or influence the course of subacute combined degeneration.

In conclusion two points may be emphasised: first, that most cases of subacute combined degeneration could be prevented by early recognition, accurate diagnosis, and efficient treatment of pernicious anæmia; secondly, that with adequate liver treatment, preferably parenteral, the nervous lesions can be arrested. In cases of relatively short duration the symptoms and signs may greatly diminish. No case of subacute combined degeneration, however severe (even if associated with bedsores and urinary infection), should be abandoned without resource to intensive parenteral liver therapy.

* * *

Time does not permit discussion of other problems which come under the heading of Nutrition and the Nervous System—e.g., the nervous lesions in pellagra, ergotism, and lathyrism; the possible rôle of deficiency of vitamin A, nicotinic acid, and other food factors in nervous disease; the nutritional origin of some types of amblyopia and retrobulbar neuritis; and the part played by nutritional deficiencies in the production of mental disorders.

In these, as in many other aspects of the study of nutritional deficiencies and their relation to disease, steady progress is being made through the close collaboration of the physician with experts in many branches of medicine and the allied sciences.

It is a pleasure to express my sincere thanks to Prof. J. C. Drummond, of University College, for testing for vitamin A in blood; Prof. R. A. Peters and Drs. Meiklejohn and H. M. Sinclair, of Oxford, for testing for vitamin B_1 in blood; Dr. L. J. Harris, of Cambridge, for testing for vitamin B_1 in urine by the bradycardia method; my colleagues in Newcastle-upon-Tyne, particularly Dr. F. J. Nattrass, for valued coöperation; and many others too numerous to mention.

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TREATMENT OF MENINGOCOCCAL MENINGITIS WITH SULPHANILAMIDE

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Sulphanilamide and allied drugs are proving valuable in the treatment of infections other than those caused by the hæmolytic streptococcus. Favourable results have been recorded in *Bacillus coli* and other infections of the urinary tract (Helmholtz 1937, Walther 1937, Kenny et al. 1937). Gonococcal infections seem to yield rapidly (Crean 1937, Ballenger et al. 1937), as also infections with *Brucella abortus* (Richardson 1938, Francis 1938), and a considerable number of workers have claimed success in the treatment of meningococcal meningitis and meningococcal septicæmia. Buttle, Gray, and Stephenson (1936) showed experimentally that mice infected with virulent meningococci could be cured with sulphanilamide, and Proom (1937) demonstrated that the efficacy of the treatment diminished markedly with increase of the time-interval between infection with the meningococci and treatment with sulphanilamide. In the treatment of meningococcal meningitis sulphanilamide has been used successfully in conjunction with serum by McIntosh, Wilcox, and Wright (1937), Mitchell and Trachsler (1937), Brennemann (1937), Bernstein (1937), Basman and Perley (1937), and Zendel and Greenberg (1937), and alone by Schwentker, Gelman and Long (1937), Carey (1937) and Eldahl (1938).

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Until recently our routine treatment of the disease consisted in lumbar puncture and the intrathecal injection of antimeningococcal serum. In some cases serum was also injected into the cisterna magna and the ventricles. Our results had been so disappointing that we were prepared to try any other

TABLE I

—	C.S.F.			Prontosil.		Intrathecal serum (c.cm.)
	Cells per c.mm.	Diplococci in films.	Culture.	P. sol. (c.cm.)	P. alb. (g.).	
Nov. 2nd	2500	+	No growth.	10	3·3	10
„ 3rd	2700	+	Ditto.	20	3·3	..
„ 4th	240	—	Ditto.	10	3·3	10
„ 5th	270	—	Ditto.	..	2·0	..
„ 6th	..	..	..	..	2·0	..
„ 7th	..	..	..	..	1·3	..
„ 8th	210	—	No growth.	..	1·3	..
„ 9th	..	..	..	..	1·3	..
„ 10th	28	—	No growth.	..	1·3	..
„ 11th	..	..	..	..	1·3	..
„ 12th	..	..	..	..	1·3	..

P. sol. = Prontosil soluble (2·5 per cent. given by intramuscular injection).
P. alb. = Prontosil album given by mouth.

line of treatment that offered a reasonable prospect of success. From published reports sulphanilamide seemed worthy of trial. In using it our routine has been as follows. As soon as a tentative diagnosis is made from microscopic examination of the spinal fluid, and before the results of culture have been ascertained, Prontosil soluble is given by intramuscular injection and Prontosil album (sulphanilamide) by the mouth. All drugs containing sulphur are prohibited and eggs are excluded from the diet. This treatment has been continued until there is definite clinical improvement and the cerebro-spinal fluid has become sterile. Lumbar or cisternal puncture has been done daily. In our last 4 cases sulphanilamide in a concentration of 1 per cent. in normal saline has been injected either into the spinal theca or the cisterna magna. The drug is not very soluble and to get a solution of this concentration it is necessary to warm the saline to body

TABLE II

—	C.S.F.		Prontosil.		Intrathecal serum (c.cm.).
	Cells per c.mm.	Culture.	P. sol. (c.cm.).	P. alb. (g.).	
Dec. 2nd	308	Meningococci.	10	1·5	10
„ 3rd	250	Sterile.	10	3·0	..
„ 4th	100	Meningococci.	10	3·0	..
„ 5th	..	..	10	3·0	..
„ 6th	..	..	..	3·0	..
„ 7th	50	Sterile.	10	3·0	..
„ 8th	..	..	10	3·0	..
„ 9th	201	Sterile.	10	3·0	..
„ 10th to „ 13th	..	..	..	1·5	..
„ 14th	50	Sterile.	..	1·5	..
„ 17th	52	Ditto.	..	..	..

temperature. During the last six months we have treated 10 cases in this way.

CASE RECORDS

CASE 1.—Girl aged 3 years 11 months. Admitted to hospital on Nov. 1st, 1937. She had previously been healthy, but for three days had complained of severe headache and had been restless and sleeping badly. Her temperature was 102° F. and she was very ill. The tonsils were acutely inflamed. Next day there was definite nuchal rigidity, and the cerebro-spinal fluid (C.S.F.) obtained on lumbar puncture was found to contain 2500 cells per c.mm., mostly polymorphonuclears. Intracellular diplococci were seen in films of the sediment though culture of the fluid was sterile. (Unfortunately there was some delay in making cultures of the fluid.)

Lumbar and cisternal punctures showed a steady decline in the cell count of the fluid. Diplococci were seen in films of the fluid from the first two punctures, but subsequently no organisms were detected either in films or cultures. The temperature came to normal in 48 hours and the child made an uninterrupted and apparently complete recovery.

Treatment consisted in the intrathecal injection of 10 c.cm. of antimeningococcal serum on the second and fourth days and in the administration of prontosil for thirteen days, in all a total of 23 grammes (Table I). Slight cyanosis was noted on the third day, but rapidly cleared after cessation of the intramuscular injections.

CASE 2.—Female aged 12 months. Admitted on Dec. 2nd, 1937. Three weeks previously she had been fevered with abdominal pain and vomiting, and "spots" had been noted on the limbs and face. She had then become listless and her appetite had been poor; a week before admission, fever with vomiting and constipation had recurred. When admitted she was extremely irritable; there was nuchal rigidity and a positive Kernig's sign. The C.S.F. (lumbar puncture) showed 308 cells per c.mm.,

TABLE III

—	C.S.F.			Prontosil.	
	Cells per c.mm.	Polymorphs (%).	Culture.	P. sol. (c.cm.).	P. alb. (g.).
Nov. 10th	13,000	95	Meningococci.	10	1·3
„ 11th	..	..	Contamination.	5	2·0
„ 12th	2,500	..	Sterile.	10	2·0
„ 13th	610	60	Ditto.	10	2·0
„ 14th	530	27	Ditto.	20	2·0
„ 15th	..	..	..	20	2·0
„ 16th	121	41	..	10	2·0
„ 17th	..	..	..	20	2·0
„ 18th	..	..	..	10	2·0
„ 19th	170	46	Sterile.	10	2·0
„ 20th	..	..	..	10	2·0
„ 21st	..	..	..	..	2·0
„ 23rd	..	..	..	..	1·3
„ 24th	46	33	Sterile.	..	1·3
„ 25th	..	..	..	..	1·3
„ 26th	33	5	..	..	1·3

mostly polymorphonuclears. Meningococci were seen in films of the deposit and were grown on culture.

Lumbar puncture, performed frequently during the next fortnight, showed a steady decrease in the number of cells. The fluid became sterile on the third day after admission. The temperature fluctuated between 98° and 101° F. during the first week but thereafter remained normal. Clinical improvement was rapid and no abnormal signs were present after two weeks' treatment. She now appears perfectly well.

Treatment.—Antimeningococcal serum (10 c.cm.) was given on the day of admission only, and during twelve days 32 g. of prontosil was administered (Table II).

CASE 3.—Female aged 4 months. Admitted on Nov. 10th, 1937. Five days previously she had become fevered with a nasal discharge, and two days later there was twitching of the limbs. On admission she was acutely ill with fever, a bulging fontanelle and much nuchal rigidity. The C.S.F. contained 13,000 cells per c.mm. (95 per cent. polymorphonuclears) and meningococci were grown on culture. During the first 48 hours the temperature varied widely

(99°–103° F.) but thereafter it fell gradually, reaching normal on the eighth day of treatment. The infant's condition improved steadily; by the sixth day she was bright and taking interest in her surroundings, but some spinal rigidity persisted until about the twelfth day. When dismissed on the eighteenth day she seemed well, and at 8 months she can sit up alone and is beginning to crawl; she appears to be a perfectly healthy infant.

During seventeen days' *treatment* the child received 35 g. of prontosil (Table III). There was no cyanosis.

CASE 4.—Girl aged 3 years. Admitted on Dec. 27th, 1937, with two days' history of headache, increasing drowsiness, and some twitching of the hands. She was semicomatose, with a temperature of 102° F. Kernig's sign and nuchal rigidity were strongly positive. The C.S.F. (lumbar puncture) contained 11,200 cells per c.mm. mostly polymorphonuclears, and meningococci were grown from

TABLE IV

—	C.S.F.			Prontosil.	
	Cells per c.mm.	Polymorphs (%).	Culture.	P. sol. (c.cm.).	P. alb. (g.).
Dec. 27th	11,200	92	Meningococci.	20	1·5
„ 28th	3,400	89	Sterile.	20	3·0
„ 29th	430	64	Ditto.	20	3·0
„ 30th	..	..	..	..	2·0
„ 31st	17	14	Slight meningococcal growth.	..	..
Jan. 1st	18	3	Sterile.	20	2·0
„ 2nd	..	..	..	..	2·0
„ 3rd	24	18	Sterile.	..	2·0
„ 4th	..	..	..	..	2·0
„ 5th	6	..	Sterile.	..	..

it. The temperature settled on the fourth day by which time there was no nuchal rigidity. She was sent home after ten days in hospital, being apparently well. There is no evidence of sequelæ.

Treatment.—Altogether the child received 21·5 g. of prontosil during nine days (Table IV). No cyanosis was evident.

CASE 5.—Male aged 8 months. Admitted on Jan. 10th, 1938. He had been irritable for a week and head-retraction had been noted for two days. He was semicomatose and opisthotonos was marked. The C.S.F. (lumbar puncture) contained 1600 cells, mostly polymorphonuclears, and on culture showed a meningococcal growth.

Treatment.—During eleven days he received 20 g. of prontosil (Table V). There was no cyanosis. He was gravely ill for three days but the temperature settled on the fourth day and improvement became rapid. Some nuchal rigidity persisted for a fortnight but on dismissal after eighteen days in hospital he seemed well. There is no evidence of sequelæ.

CASE 6.—Male aged 10 months. Admitted on Feb. 7th, 1938. Six weeks before admission head-retraction was noticed during an illness regarded as a "feverish cold." After this he was constipated, with frequent vomiting and loss of weight. During the week before admission he had become increasingly drowsy. On admission there was marked nuchal rigidity, emaciation, drowsiness, and a bulging fontanelle.

During the sixteen days' *treatment* the infant received 35 g. of prontosil. There was no cyanosis. No clinical improvement was seen, and there was irregular low pyrexia until the twentieth day in hospital when the temperature rose sharply. He died twenty-two days after admission. It is to be noted that although the C.S.F. became sterile in six days (Table VI) no clinical improvement occurred.

At *post-mortem examination* the ventricular system was found to be greatly dilated. There was a moderate

TABLE V

—	C.S.F.				Prontosil.	
	Cells per c.mm.	Polymorphs (%).	Culture.	Sulph.* (mg./100 c.cm.)	P. sol. (c.cm.)†	P. alb. (g.)
Jan. 10th	1600	79	Meningococci.	..	20	0·5
„ 11th	1700	66	Sterile.	1·39	..	2·0
„ 12th	80	45	Ditto.	..	5	2·0
„ 13th	71	16	..	..	5	2·0
„ 14th	27	14	..	3·1	5	2·0
„ 15th	..	..	..	..	..	2·0
„ 16th	26	6	..	2·0	..	2·0
„ 17th	..	..	..	..	..	1·5
„ 18th	27	5	..	6·7	..	1·5
„ 19th	..	..	..	..	..	1·5
„ 20th	..	..	..	3·2	..	1·5
„ 22nd	25	3	Sterile.	..	..	..

* Sulph. = sulphanilamide.
† In this and the remaining cases the 5 per cent. solution was used.

amount of fibrino-purulent exudate at the base of the brain, with extensive matting of the meninges in this area. Cultures taken from the exudate remained sterile.

CASE 7.—Girl aged 2 years 5 months. Admitted on Jan. 11th, having had fever and rhinitis for a fortnight, with headache and stiff neck for two days. She was gravely ill, with drowsiness and nuchal rigidity. The C.S.F. (lumbar puncture) contained 4500 cells per c.mm., mostly polymorphonuclears, and culture yielded meningococci. She remained very ill, with fever, irritability, and rigidity for seventeen days. Rigidity then passed off and, although fever continued and culture of C.S.F. gave a heavy meningococcal growth, there were no physical signs of meningitis. Unfortunately cyanosis became severe at that time and vomiting was troublesome so that it was necessary to discontinue prontosil treatment for twelve days. The treatment was then recommenced, but cyanosis soon returned and the C.S.F. still yielded meningococci. In an attempt to minimise the toxic effects of the drug a 1 per cent.

TABLE VI

—	C.S.F.				Prontosil.	
	Cells per c.mm.	Polymorphs (%).	Culture.	Sulph. (mg./100 c.cm.).	P. sol (c.cm.)	P. alb. (g.).
Feb. 8th	750	40	Meningococci.	..	..	3·0
„ 9th	700	38	Ditto.	6·7	10	1·5
„ 10th	830	..	Sterile.	..	10	2·0
„ 11th	600	43	Ditto.	1·7	10	2·0
„ 12th	590	19	Ditto.	3·1	10	2·0
„ 13th	96	..	..	1·4	10	2·0
„ 14th	73	2	Meningococci.	1·2	10	2·0
„ 15th	..	..	..	..	10	2·0
„ 16th	32	8	Sterile.	2·0	10	2·0
„ 17th	..	..	..	..	10	2·0
„ 18th	..	..	..	..	..	2·0
„ 19th	40	5	Sterile.	3·8	..	2·0
„ 20th	..	..	..	..	..	2·0
„ 21st	800	2	Sterile.	2·9	10	2·0
„ 22nd	..	..	..	..	..	2·0
„ 24th	26	..	Sterile.	..	..	..
„ 27th	32	10	Ditto.	..	..	..

solution of sulphanilamide in normal saline was then given intrathecally, other forms of the drug being withheld. After five days the fluid became permanently sterile and five days later the temperature settled. There were no further relapses. The child's physical condition improved steadily after the seventeenth day, but she remained peevish and irritable. When she was dismissed after two months in hospital there was slight rigidity of the legs, though the reflexes were not abnormal. When seen

TABLE VII

—	C.S.F.				Prontosil.		
	Cells per c.mm.	Polymorphs (%).	Culture.	Sulph. (mg./100 c.cm.).	P. sol. (c.cm.)	P. alb. (g.).	Intrathecal sulph. (c.cm.)
Jan. 11th	4500	76	Meningococci.	..	10	1	..
" 12th	2900	86	Sterile.	15·4	10	3	..
" 13th	2300	85	..	..	10	3	..
" 14th	700	87	Meningococci.	17·8	15	3	..
" 15th	500	78	Ditto.	2·4	15	3	..
" 16th	420	78	Ditto.	2·0	15	3	..
" 17th	..	..	..	..	..	3	..
" 18th	1850	89	Meningococci.	6·6	15	3	..
" 19th	1320	90	Ditto.	5·0	30	3	..
" 20th	1600	92	Sterile.	5·6	30	3	..
" 21st	620	81	Ditto.	5·9	30	3	..
" 22nd	480	98	Ditto.	7·8	30	3	..
" 23rd	1300	93	Meningococci.	5·9	15	2	..
" 24th	310	72	Ditto.	3·6	15	2	..
" 25th	250	87	Sterile.	10·0	15	2	..
" 26th	..	..	..	..	15	2	..
" 27th	600	78	Sterile.	6·9	10	2	..
" 28th	800	95	Meningococci.	..	Prontosil stopped.		
Feb. 1st	157	80	Ditto.	Trace	..	..	..
" 9th	900	76	Ditto.	..	20	3	..
" 10th	..	..	..	..	15	3	..
" 11th	320	68	Sterile.	5·3	10	3	20
" 12th	210	..	Ditto.	4·5	..	..	20
" 13th	112	49	..	1·1	..	..	20
" 14th	1070	93	Meningococci.	1·3	..	..	20
" 15th	820	78	Sterile.	Trace	..	..	30
" 17th	200	41	Ditto.	"	..	..	10
" 18th	..	..	..	..	10	..	..
" 19th	440	68	Sterile.	..	Prontosil stopped.		
Mar. 1st	600	81	Ditto.	..	..	..	..
" 10th	450	67	Ditto.	..	..	..	..

six weeks later she appeared to be perfectly healthy.

Treatment.—The child received in all 335 c.cm. of 5 per cent. prontosil soluble intramuscularly, 53 g. of prontosil album (sulphanilamide) by mouth and 120 c.cm. of 1 per cent. sulphanilamide in normal saline intrathecally—in all 71 g. (Table VII).

CASE 8.—Boy aged 2 years. Admitted on Feb. 15th, 1938. He had been well until four days previously when he became drowsy and irritable. There was some vomiting, and twitching of the limbs was noticed on the day before coming to hospital. On admission there was much head retraction, and a profuse purpuric eruption over the lower limbs. The temperature was 101° F. Lumbar puncture gave a fluid containing 9400 cells per c.mm., mostly polymorphonuclears, with a heavy growth of meningococci.

Treatment.—During the next seventeen days he received 42 g. of prontosil by intramuscular and intrathecal injection and by the mouth (Table VIII). Irregular pyrexia continued until the fourteenth day and clinical improvement was slow. Drowsiness and nuchal rigidity persisted for twelve days, but thereafter he rapidly became brighter and the nuchal rigidity soon passed off. Moderate cyanosis appeared on the fourth day of treatment but cleared up gradually after the substitution of intrathecal for intramuscular injections. The cell count in C.S.F. fell somewhat irregularly, but the culture became sterile 48 hours after treatment commenced. When he was dismissed after twenty-four days in hospital there was a suspicion of an early spastic condition of the legs. He now seems very well, but his walking is not yet as good as it was before the illness.

CASE 9.—Boy aged 9 years 8 months. Admitted on Feb. 22nd, 1938. He had complained of severe headache and dizziness for three days and there had been frequent vomiting. The temperature was only 99° F., but nuchal rigidity and Kernig's sign were strongly positive. A few petechial hæmorrhages were scattered over the body. The C.S.F. (lumbar puncture) contained 11,100 cells per c.mm., mostly polymorphonuclears, and culture gave a heavy meningococcal growth. Prontosil treatment was commenced at once.

Treatment.—Prontosil was given for seven days and he received 21·5 g. orally and by intramuscular and intrathecal injection. Clinical improvement was rapid, the temperature settled on the sixth day by which time the headache and nuchal rigidity had cleared up. Cyanosis appeared after 24 hours' treatment but cleared rapidly after the substitution of intrathecal for intramuscular injections. The C.S.F. became sterile after 48 hours' treatment and the cell count in the fluid fell rapidly (Table IX). On dismissal after sixteen days in hospital the boy was perfectly well.

CASE 10.—Girl aged 3 years. Admitted on March 28th, 1938. She had been healthy till a week previously when she became drowsy and out of sorts. Three days later she complained of severe headache, vomited several times and became delirious. On admission she was wildly delirious; there was a purpuric rash on the trunk and limbs and generalised muscular rigidity, and the temperature was 100° F. The C.S.F. obtained by lumbar puncture was purulent

TABLE VIII

—	C.S.F.				Prontosil.		
	Cells per c.mm.	Polymorphs (%).	Culture.	Sulph. (mg./100 c.cm.).	P. sol. (c.cm.)	P. alb. (g.).	Intrathecal sulph. (c.cm.)
Feb. 15th	9,400	76	Meningococci.	..	20	1·0	..
" 16th	15,500	90	Ditto.	5·0	10	3·0	..
" 17th	1,700	83	Sterile.	4·1	..	3·0	30
" 18th	1,200	70	Ditto.	5·2	10	3·0	10
" 19th	2,300	95	Ditto.	10·5	10	3·0	20
" 20th	110	30	Ditto.	7·7	10	3·0	20
" 21st	..	..	..	..	..	3·0	20
" 22nd	140	27	Sterile.	5·4	..	3·0	20
" 23rd	..	..	..	..	..	1·5	..
" 24th	40	24	Sterile.	..	No prontosil.		..
" 25th	..	..	..	Trace	..	2·0	..
" 26th	..	..	..	..	..	2·0	..
" 27th	350	70	Sterile.	..	..	2·0	..
" 28th	..	..	..	..	..	2·0	..
Mar. 1st	..	..	..	..	..	2·0	..
" 2nd	..	..	..	..	..	2·0	..
" 3rd	6	..	Sterile.	..	..	2·0	..

and under greatly increased pressure. It contained 30,000 cells per c.mm. (99 per cent. polymorphonuclears), and abundant extra- and intra-cellular diplococci; culture yielded a heavy growth of meningococci. The temperature ranged between 100·4° F. and normal during the first ten days in hospital; thereafter it was normal.

Treatment with prontosil by the mouth and by intramuscular injection was instituted immediately after admission and, on the seventh, eighth, and ninth days in hospital, 20 c.cm. of a 1 per cent. solution of sulphanilamide was given intrathecally. Although the C.S.F. became sterile three days after admission the child's condition improved very slowly until intrathecal injections of sulphanilamide were started; thereafter the general condition improved rapidly and signs of meningeal irritation ceased. Convalescence was uneventful and she now seems to have recovered completely. In all she received 33 g. of prontosil in eleven days (Table X).

DISCUSSION

Treatment with sulphanilamide seems to give very much better results than those we had from treatment with antimeningococcal serum. Of the 10 children treated with sulphanilamide only 1 has died, whereas in a series of 30 cases treated with serum there were only 4 recoveries. Of these 30

patients, 19 were infants under one year of age and all save 1 of them died. In our present series of 10 cases 4 were under one year of age and only 1 of these has died. This child (Case 6) was admitted to hospital after he had been ill for six weeks and death was probably due to hydrocephalus, for

TABLE IX

—	C.S.F.				Prontosil.		
	Cells per c.mm.	Polymorphs (%).	Culture.	Sulph. (mg./100 c.cm.).	P. sol. (c.cm.)	P. alb. (g.).	Intrathecal sulph. (c.cm.)
Feb. 22nd	11,100	87	Meningococci.	..	30	1·0	..
" 23rd	3,600	97	Ditto.	3·1	10	3·0	..
" 24th	3,900	80	Sterile.	2·7	..	2·5	15
" 25th	870	64	Ditto.	3·3	..	2·5	10
" 26th	420	79	Ditto.	..	..	2·5	10
" 27th	..	..	..	..	..	2·5	..
" 28th	..	..	..	..	..	2·5	..
Mar. 1st	..	..	..	..	..	2·5	..
" 3rd	9	..	Sterile.	..	..	..	..

cultures of the cerebro-spinal fluid before death and of the meninges at autopsy were sterile.

There seems to be considerable difference of opinion about the dosage of the drug. Cases have been reported in which the cerebro-spinal fluid was permanently sterilised by giving 3 grammes of sulphanilamide spread over three days (McIntosh et al. 1937), whilst as much as 38 g. in eighteen days has been given to a child aged 17 months (Bernstein 1937). In view of the very high mortality-rate in our previous cases we felt justified in giving large doses. In infants we have commenced by giving 2–3 g. per day, divided into six doses, the total amount given depending on the course of the disease. The smallest amount we have given is 21 g. in seven days, whilst the largest amount is 71 g. spread over a period of twenty-six days. Except for cyanosis in a few of the cases there have not been any symptoms of poisoning.

In 6 of the cases the concentration of sulphanilamide in the cerebro-spinal fluid was estimated and was found to vary considerably; the maximum

TABLE X

—	C.S.F.				Prontosil.		
	Cells per c.mm.	Polymorphs (%).	Culture.	Sulph. (mg./100 c.cm.).	P. sol. (c.cm.)	P. alb. (g.).	Intrathecal sulph. (c.cm.)
Mar. 28th	30,000	99	Meningococci.	3·2	35	3·0	..
" 29th	25,000	94	Ditto.	2·9	30	3·0	..
" 30th	1,500	..	Sterile.	..	10	3·0	..
" 31st	2,150	..	Ditto.	..	10	3·0	..
April 1st	300	34	Ditto.	2·9	10	3·0	..
" 2nd	2,500	..	..	2·4	..	3·0	..
" 3rd	610	57	Sterile.	1·3	10	3·0	20
" 4th	160	58	Ditto.	2·1	..	3·0	20
" 5th	140	..	Ditto.	1·2	..	1·5	20
" 6th	..	..	..	..	..	1·5	..
" 7th	61	22	Sterile.	..	..	..	..
" 13th	8	0	Ditto.	..	..	..	..

amount detected was 17·8 mg. per 100 c.cm., the minimum 1·2 mg. The amount found in the cerebro-spinal fluid did not seem to bear any relationship to the course of the disease, nor to the speed with which the fluid was sterilised. In Case 7 a concentration of the drug of 17·8 mg. per 100 c.cm. failed to sterilise the cerebro-spinal fluid, while in Case 5 it became sterile with a concentration of 1·39 mg. It is possible, however, that there may have been higher concentration at some time in the intervals between spinal punctures.

Our experience of the intrathecal or intracisternal injection of sulphanilamide suggests that it may prove a highly efficient way of giving the drug. In Case 7 where we had failed to render the cerebro-spinal consistently sterile by oral and intramuscular administration, injection of a 1 per cent. solution into the subarachnoid space rapidly achieved this end. In Cases 8 and 9 intramuscular injection caused cyanosis. By giving the drug by intrathecal instead of by intramuscular injection cyanosis was abolished and recovery took place rapidly. In Case 10, in spite of the fact that cultures of the cerebro-spinal fluid were sterile, clinical improvement was delayed until the drug was given by intrathecal injection. Thereafter signs of meningeal irritation rapidly disappeared and convalescence proceeded satisfactorily. It seems, therefore, that this method of treatment may be of value in cases in which the cerebro-spinal fluid does not rapidly become sterile, in cases which show intolerance to the drug when given by intramuscular injection, and in cases in which the meningeal symptoms do not clear up rapidly.

Without wider experience one is not justified in claiming that sulphanilamide is superior to the remedies previously used in meningococcal meningitis, but from our results and from those obtained by others it appears to be at least as effective as any other form of treatment. In this country, where serum therapy has not met with the same success as it has in the United States, it seems especially worthy of further trial.

SUMMARY

1. Ten children suffering from meningococcal meningitis have been treated with sulphanilamide.
2. The cerebro-spinal fluid became sterile in all the cases.
3. Four of the patients were less than a year old, and one of these died.
4. All the six patients over a year old recovered.

We have pleasure in expressing our thanks to the staff of the pathological and of the biochemical laboratories for their assistance in the investigation of our cases, and to Messrs. Bayer for a supply of prontosil.

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MIDDLESEX HOSPITAL ATHLETIC GROUND.—The new athletic ground at Chislehurst presented to the Middlesex Hospital by Sir Edward Meyerstein will be ready for use on April 30th. It occupies 18 acres of the Foxbury site—more than double the size of the present ground at North Wembley—and has a large pavilion with two floors. Chislehurst is easily reached by train from Charing Cross, Cannon-street, or London Bridge.

ACTION OF TESTOSTERONE PROPIONATE ON THE FEMALE

CLINICAL APPLICATIONS AND DOSAGE

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In experiments on rhesus monkeys Zuckerman (1937) found that inhibition of follicular maturation and luteinisation, with consequent suppression of the menses, followed administration of 25 mg. of testosterone propionate twice weekly during a period of seven months. Cotte, Martin, and Mankiewicz (1937) have reported similar results in the rabbit, and Robson (1936 and 1937) has shown that in rodents simultaneous administration of testosterone and œstrone prevents œstrus.

The natural outcome of this experimental work has been the use of testosterone as a remedy for excessive and irregular uterine bleeding due to hyperfolliculinæmia in the human female, especially as Zuckerman's work was fairly conclusive that it caused no undesirable secondary effects, except perhaps enlargement of the clitoris.

Loeser (1938a) began using testosterone propionate for gynæcological conditions in April, 1937, and I have used it since July, 1937. Several papers have appeared already on its employment for painful breast conditions, chronic cystic mastitis and premenstrual mastodynia, also for dysmenorrhœa (Desmarest and Capitain 1937 and 1938, Goormaghtigh 1938, Turpault 1937, Bender 1937). My early results in gynæcological disorders were variable, probably because my doses were not always adequate. Experiments with a eunuch (Foss 1937b) and observations made about the same time by Hamilton (1937) in America suggested that doses of 40 mg. per week probably would be sufficient. My first case supported this belief.

CASE RECORDS

Case 1.—Mrs. A, aged 45, with severe metrorrhagia, was awaiting hysterectomy; her condition was very poor with severe anæmia, dyspnœa, and lack of energy. Seen on July 18th she was given 40 mg. of testosterone propionate twice weekly in five doses. Five days after the last injection curettage showed that the endometrium was in the resting stage. Three days later scanty bleeding started, lasting six days, six diapers only being soiled. Immediately a second dose of 200 mg. in five injections was given during fifteen days. Curettage on the twentieth day showed resting-stage endometrium which was difficult to obtain by the Sharman and Sheehan (1937) and Foss (1937a) curettes. On the twenty-seventh day no endometrium at all was procured. From the twelfth to the thirty-fifth day of the cycle there was scanty brown staining, but after this no further bleeding was seen until Jan. 1st–8th, 1938; it was scanty and entailed the use of twelve diapers. During this period of twenty weeks' amenorrhœa, she was troubled with hot flushes and sweats which were readily controlled by œstrone dragées. One other very scanty period only has been seen since then (Feb. 12th–19th) using four diapers. So far this patient has been saved from hysterectomy, and her general condition improved very rapidly once the flooding stopped.

Case 2.—Miss B, aged 25, who had menorrhagia and dysmenorrhœa, was given 140 mg., 200 mg., and 150 mg. in three consecutive cycles without any effect on the loss or on the length of the cycles. Later she was given 500 mg., again without altering the duration of the cycle, but the loss was not quite so excessive and dysmenorrhœa was still slight.

Case 3.—Mrs. C., aged 48, was seen in September last. She gave a history of continuous bleeding for 2½ months without stopping. Before this she had had very severe floodings in November, 1936, and January, 1937, lasting three weeks; she also gave a history of many years' menorrhagia with flooding and passage of clots. Injections of testosterone propionate were given and after 270 mg. had been injected in nineteen days the bleeding stopped. Amenorrhœa persisted for sixty-three days; then she had a fairly heavy period lasting eleven days. Since Dec. 22nd she has been amenorrhœic. Curettage a week after the last injection showed endometrium with small early-interval-type glands.

Cases of longer standing, however, seem to require very much larger doses.

Case 4.—Mrs. D., aged 40, a very obese woman with a history of severe menorrhagia, had a continuous hæmorrhage from February, 1937, until she was curetted on July 12th when her endometrium was found to show some hyperplasia. The loss was very excessive all the time and she used three or four diapers daily, changing even during the night. After curettage, bleeding continued for three weeks and then she had a clear week. Injections of testosterone were started on Sept. 29th; after 250 mg. bleeding began in three days and was almost as copious as before, but the interval had increased. Rhythmic treatment was given now for the next five months. The only result was to re-establish monthly cycles once more, and there was not much effect on the loss. Dosage was therefore increased and after 500 mg. had been given in three weeks, bleeding was more normal lasting only six days instead of ten to fourteen and there was no flooding or clots. An interesting fact was noticed now—she complained of numerous hot flushes and sweats both by day and night. After the last bleeding the dosage was increased to 200 mg. weekly and the menopausal symptoms have become much worse, as many as ten to twenty flushes daily being counted.

This moderately severe case has shown how variable the effective dosage is. A still more refractory case has been treated and has been a failure so far, after very great dosage.

Case 5.—Miss E., aged 30, a nurse, had pneumonia in 1936. Previously her periods had been regular (every 28 days and lasting 5–7 days). A fortnight after her illness, bleeding started, with variation in flow and an occasional clear day, and she had been bleeding for fifteen months. Medical treatment had failed and in April, 1937, she was curetted; the endometrium showed hyperplasia. No benefit at all was obtained. Starting on October 1st, 340 mg. of testosterone propionate was given in three weeks, with perhaps some slight diminution in loss and with more frequent days of rest. The losses persisted, however, and owing to the nature of her occupation, treatment was not always available. She was admitted to hospital again in March, 1938, and examined under anæsthesia; the uterus was small. An intensive course of testosterone propionate was started on March 14th and she was given 100 mg. daily. After 800 mg. bleeding stopped for four days, but it then started once more just as badly. After 2000 mg. bleeding still persists and treatment is being continued.

For a case of metrostaxis in a girl of 18 testosterone proved of great value.

Case 6.—Miss F., aged 18, had the menarche at 15; it was followed by two scanty periods and then three months' amenorrhœa, after which she had hæmorrhage lasting four months. Dilatation and curettage on July 20th, 1935, showed glandulocystic hyperplasia and she was treated with a small dose of radium. Amenorrhœa persisted for a year, followed by alternating periods of flooding and short rests. During this time she had been treated with corpus

luteum, Sistomensin, and prolan by mouth. When seen on Jan. 24th, 1938, she had been bleeding almost continuously for twelve months and was in poor health. The loss varied and she wore a diaper continuously. She had about two days clear and then bleeding would start again in gushes. Injections of 20, 40, and 50 mg. of testosterone propionate were given twice weekly and afterwards the dose was increased to 100 mg. After 510 mg. in twenty-five days, bleeding stopped completely. This was followed by a slight discharge, but after a further 200 mg. she left off all diapers. Five weeks after the last injection she had had no suspicion of return of bleeding. She has regained her energy and her general health has improved. A normal five-day period started on April 3rd after six weeks' amenorrhœa.

It appears from my experience of about 16 cases that for most patients total doses of 300–800 mg. are required, according to the severity and duration of bleeding and the nature of the disorder to inhibit endometrial proliferation. In some cases of menorrhagia cyclical doses of 20–40 mg. given twice weekly for a few months are sufficient to counteract follicular overaction, or to restore a cyclical rhythm in metrorrhagia. Severe cases need a total dose of 800–2000 mg. given in daily injections of 100 mg. or twice-weekly injections of 150–200 mg., the individual dosage being adjusted to the clinical history.

The successful results of Loeser (1938a and b) were obtained with very similar dosage.

DISCUSSION

Why testosterone propionate should have an action so antagonistic to that of œstradiol is not known. Chemically testosterone is a very close relation to œstradiol and it can be made synthetically by complete hydrogenation of dihydroxy-œstrin or œstradiol. It is known that administration of testosterone propionate in a male gives rise to excretion of both androgen and œstrogen in the urine. This was shown originally by Steinach, Kun, and Peczenik (1936) on rats and later in humans (Steinach and Kun 1937) and has been demonstrated several times by Callow (1938) in my cases. Urine analysis, kindly carried out by Callow, of a eunuch under treatment with testosterone propionate, showed that there was a parallel increase in output of androgen and œstrogen during administration, in the ratio of 1·6 to 1. After five weeks' rest from therapy this ratio was 3·83 to 1, whereas in the normal male urine the ratio was 1·71 to 1.

The fact remains that experimental and clinical work has proved that testosterone propionate injected into females counteracts the natural follicular hormone. Two possibilities suggest themselves: (*a*) that the male hormone is a direct antagonist of the follicular hormone, and (*b*) that it inhibits anterior pituitary gonadotropic hormone. The second is perhaps the more likely hypothesis, as shown by inhibition of follicular maturation in the rhesus monkey.

Quantitative assays for gonadotropic hormone in the urine from a eunuch (Foss 1938), while at rest and also while under high dosage of male hormone, might shed some light on this matter, but unfortunately the results are not yet available. Clinically Salmon (1937) found that testosterone propionate gave relief from menopausal symptoms in an ovariectomised woman and also reduced the amount of gonadotropic hormone recoverable from her urine. Further assays on the urine of menopausal women, before and after male-hormone therapy, will be awaited with interest.

Before testosterone propionate can be regarded as a valuable addition to gynæcological practice, it is essential to study its effects in very large doses over a long period. In a comparatively small series of 16 cases during the last nine months, doses up to 2200 mg. have been given in periods ranging from three to twenty-eight weeks, and in all this series no unpleasant side effects have been noticed. These doses are smaller proportionately than were given by Zuckerman (1937) to monkeys weighing 11 lb. and he was unable to find any abnormal or harmful effect beyond enlargement of the clitoris. In patients receiving intensive therapy for a short time or moderate doses over a long period, there was definite increase in size of the clitoris. I do not regard this as an unpleasant effect however, for no patient complained of discomfort or swelling of the genitalia, and in each case it had to be looked for. In some the clitoris was about $\frac{3}{4}$ in. long and $\frac{1}{4}$ in. across at the base. Whether its size decreases again when administration of male hormone ceases is not yet known.

Loeser (1938b) in one case noticed some voice change to the gruff male type after 1500–2000 mg., but the voice soon returned to normal on discontinuing treatment. It was doubtful whether this was due to the therapy.

The amenorrhœa induced by testosterone propionate is also of fairly short duration and restitution of previous normal rhythm takes place when injections are finished. In most cases the endometrium is in the resting stage and the glands are of the interval type; in no case has a secretory-phase endometrium been found. Many reports, already referred to, have appeared on the use of testosterone for mastopathia and mastodynia. During treatment the breasts decrease in size, and this may have a useful application for macromastia of endocrine origin.

CASE 7.—Miss G., aged 22, was a medical student with lobular mastitis. She had had a serous and sometimes blood-stained nipple discharge for eight months. She was given 270 mg. testosterone propionate in a month. Menstruation was not inhibited but its onset was unexpected and sudden on two occasions, owing to the absence of premenstrual mammary congestion and fullness, malaise, and backache. The discharge gradually became more sticky and eventually stopped. During this time both breasts diminished in size—a fact reported both by her mother and herself—but as yet there has been no appreciable alteration in its lobulated condition.

From my experience in over 40 cases of males and females treated with testosterone propionate, it appears that in the absence of œstrogen in the body—for example in eunuchs—small doses of male hormone suffice. To obtain a similar effect when testicles are present requires very much larger doses possibly because of the breakdown of endogenous testosterone to œstrogen, especially in old age. In females the dose of testosterone must be much greater still, since higher levels of œstrogen are encountered, especially in conditions such as metropathia hæmorrhagica. The finding of Zuckerman (1936) that a testosterone-œstrone ratio of 7 to 1 is necessary to inhibit the action of œstrone on the immature rhesus monkey's prostate probably applies to human dosage. Experimentally, endometrial glandulocystic hyperplasia can be produced with doses of 50–100 mg. of œstradiol benzoate. Accordingly to treat severe cases of this condition due to endocrine dysfunction 350–1000 mg. would probably be an average dose.

SUMMARY

Metrorrhagia and menorrhagia can as a rule be controlled by injection of testosterone propionate in adequate doses. The amount required depends on the clinical findings and the pathology of the condition.

A temporary therapeutic menopause, with its associated symptoms, can be induced with large doses. Menstruation may be postponed for several months after treatment; ovulation and luteinisation can be inhibited, and the endometrium is usually found to be in the resting stage. The breasts become smaller.

Two cases have proved refractory to treatment, even with large doses of testosterone propionate. No harmful effect however has been noticed in 16 patients treated during nine months with total doses up to 2200 mg.

I am indebted to Mr. H. L. Shepherd and Dr. Lily Baker for allowing me to treat their cases, to Dr. A. D. Fraser for sections, and to Messrs. Schering and Messrs. Ciba for samples of testosterone propionate.

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AN UNUSUAL CASE OF LEAD POISONING

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POISONING by lead taken for purposes of criminal abortion has often been reported—e.g., in the Nottingham case (1906)—and on other occasions, but the preparation of lead usually used was diachylon made up in the form of pills. Instances in which a soluble salt of lead has been employed appear to be less common. The effects of lead acetate are recorded by Ockerblad (1923), a lead lotion being erroneously taken internally. In Ockerblad's case 20 grains of lead acetate were ingested over a period of about two weeks, with resultant colic, anæmia, "lead line" round the gums, and hæmaturia.

CASE-HISTORY

A married woman, aged 25, whose previous health had always been good, was admitted to hospital complaining of general weakness, loss of colour, "pains in the bones," and attacks of severe abdominal colic associated with obstinate constipation. Her symptoms had lasted for six weeks, and in that time had become progressively worse. She also complained of a foul taste in her mouth and at times felt a sensation of numbness in her hands and feet. She stated that she had been pregnant for two months, but had had a complete abortion two weeks before admission to hospital. She admitted having taken "medicine" given to her "by a friend" during the second month of the pregnancy and it was subsequently found that this "medicine" was a solution of acetate of lead made up by adding about 70 grains of lead acetate to a pint of boiling water. In all she swallowed 1¾ pints of the solution over a period of a month, ½ oz. being taken three times a day during the first, second, and fourth weeks. As lead acetate is readily soluble in water and as the bottle was well shaken before taking a dose, it may be assumed that gr. 1·75 were taken three times a day and that, in all, about gr. 110 were ingested.

The following shows the history of symptoms and signs in the first week in relationship to the dose taken.

	Symptoms and signs.	Amount of lead acetate taken to date.
3rd day ..	Felt sick. Anorexia. Pains in the stomach.	.. gr. 12
4th day ..	Occasional vomiting. Constipation and griping pains. "Teeth started to darken" (?).	.. gr. 16
7th day ..	Colic, sickness, and vomiting worse. Pallor and "lead line" on gums noticed by husband.	.. gr. 37

The earlier symptoms are more significant, since, with vomiting, which started in the middle of the first week of ingestion of the drug, much of the lead acetate swallowed must have been returned in the vomitus. In spite of the severe symptoms of poisoning the patient stated that she carried on with regular doses up to the time of the abortion. In the second week, constipation, colic, pallor, and vomiting became worse, and in the third week, although no lead was taken, she felt so ill she could hardly stand. Abortion occurred at the end of the fourth week, when about gr. 110 of lead acetate had been taken. By this time she was completely exhausted, with severe colic and frequent vomiting. These symptoms persisted until admission to hospital.

CLINICAL EXAMINATION

On admission the patient was very weak and exhausted. She was emaciated, pallor of the skin and mucous membranes being pronounced, and the face having an ashen colour. There was a very obvious "lead line" round the gums and a blue-grey discoloration of several carious teeth was noted. The tongue was dry and coated with a grey metallic fur. Slight tenderness was present in the epigastrium. There was tachycardia with a V.S. murmur at the apex and base of the heart. Blood pressure 125/85 mm. Hg. The sclerotics were of a bluish tinge. Ophthalmoscopic examination showed no obvious changes apart from general pallor of the fundi. Knee-jerks and supinator jerks gave a very feeble response, but apart from these signs and the history of occasional numbness in the hands and feet there were no signs of nervous system derangement. At the time of examination there were no clinical signs of recent pregnancy or abortion. By the ordinary tests the urine was normal.

BLOOD EXAMINATION

The following results were found on examination of the blood: red cells, 2,270,000; hæmoglobin, 48 per cent.; colour-index, 1·09; reticulocytes, 2 per cent; white cells, 6800. Punctate basophilia, mostly of a coarse type, was observed in 2·5 per cent. of the erythrocytes—i.e., 56,750 stippled cells per c.mm.—and macrocytes and polychromatic erythrocytes were also seen frequently. There was considerable anisocytosis and a few normoblasts were present. A differential leucocyte count showed a slight rise in the lymphocyte class (32 per cent.). There was no increase in blood fragility. The van den Bergh reaction gave a positive indirect result. Wassermann reaction negative. A blood-lead estimation was not carried out on admission to hospital, but several estimations were performed later (vide infra).

Lead anæmia is usually associated with a low colour-index and a hypochromic blood picture, and the findings in this case appeared somewhat atypical. Davidson and others (1933), however, report a case

of lead poisoning with a colour-index over unity and a macrocytic type of anæmia.

TREATMENT AND PROGRESS

Salines and enemata were given and the patient was put on a high calcium diet, as advocated by Hunter (1938) for the toxic episodes of lead poisoning. Calcium lactate gr. 15 t.i.d. was also administered. This treatment, which was well tolerated, quickly relieved the colics and as early as the third day clinical improvement was apparent. Later, when acute symptoms had subsided, the patient was switched to a low calcium intake in order to establish a negative calcium balance and on the fourth day of this diet a course of parenteral parathyroid extract was started. This form of treatment, described by Hunter and Aub (1927), increases the calcium and lead excretion in the fæces and urine, and has been termed "de-leading." Throughout the course of injections serum-calcium estimations were made as a control of treatment. Quantitative estimations of the amount of lead in the blood were also carried out—the method employed being that described by Tompsett and Anderson (1935), who showed that the average content of lead in the blood in a series of unselected hospital patients and normal individuals was 55 μg per 100 c.cm. The parathyroid preparation used was Parathormone (Lilly) given intramuscularly. Smaller doses than those usually employed were used—owing to the acute symptoms having been fairly recent. It has been stated by Hunter and Aub that parathyroid treatment is of greatest value in removing lead which has been recently laid down in the bones.

In all, 240 units of parathormone were given in the first course with a resultant rise in both serum-calcium and blood-lead content (see Table). That the dose had caused a toxic amount of lead to have been withdrawn from the bones was shown by the fact that the patient had a return of colic at the end of the course. This was quickly and dramatically

DETAILS OF FIRST COURSE OF PARATHORMONE

Day.	Units of parathormone.	Serum-calcium.	Blood-lead content.
		mg. per 100 c.cm.	μg per 100 c.cm.
1	20	8·8 (before injection)	200
2	20	9·0	..
3	20	..	..
4	40	9·5	..
6	40	..	..
7	40	10·3	..
9	40	..	..
10	20	..	..
11	..	11·9	230

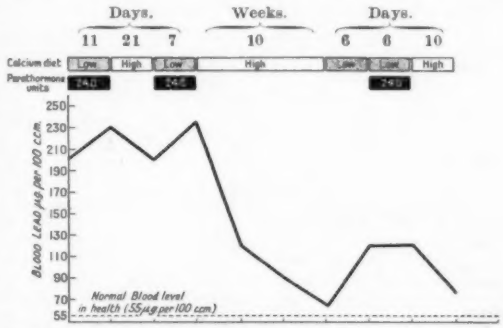
The urine showed an increase in calcium content throughout the course as compared with the content when on a low calcium diet alone.

relieved by an intravenous injection of calcium gluconate and a subsequent high calcium diet.

Following the course of parathormone the patient showed considerable clinical improvement, feeling much stronger. The anæmia proved stubborn to treatment with iron alone, given orally, and, although no associated reticulocyte response was shown, combined treatment with liver injections and oral iron caused an improvement in the blood count.

The patient having been on a high calcium intake for three weeks after the first course of parathormone, a negative calcium balance was again established and another course of 240 units was given. This was well tolerated—the blood-lead content rising from 200 to 235 μg per 100 c.cm (see Chart). There was only a slight rise in serum-calcium on this occasion, namely, from 8·8 to 9·8 mg. per 100 c.cm. Hunter and Aub showed that parathyroid did not usually increase the serum-calcium when a second course was given, a type of "immunity" to the hormone being developed. In their cases, however, the first course was longer and larger doses were employed.

Clinical improvement again followed this second course and the patient was subsequently placed on a high calcium intake. A progressive fall in the blood-lead content was associated with this treatment (see Chart). By this time, over two months after admission, the patient was well enough to get up for short periods. She was gaining weight and her colour was improving. There was still a slight



Influence of parenteral parathyroid and calcium content of diet on the blood-lead level in patient with lead poisoning, with the average level in health.

"lead line" round the gum margins. Blood count figures at this time were: red cells, 3,070,000; hæmoglobin, 63 per cent.; colour-index, 1·03; white cells, 6400. Blood films presented a fairly normal appearance, stippled erythrocytes being seen only very occasionally.

She was dismissed from hospital 10 weeks after admission, with instructions to continue on a high calcium diet. She was still having iron orally and liver extract injections weekly.

Two months later she was readmitted to hospital for further investigation and was placed on a low calcium diet. A further course of 240 units of parathormone was given. On this occasion there was no increase in the blood-lead content following the injections. It was of interest to note that the blood-lead level rose from 65 μg when on a high calcium intake to 120 μg per 100 c.cm. when on a low calcium intake. After returning to a high calcium diet following the course of parathormone the blood-lead level again fell to 75 μg per 100 c.cm. By this time blood count figures were: red cells, 3,880,000; hæmoglobin, 77 per cent.; colour-index, 1·0; white cells, 6100. No stippled cells could be demonstrated after repeated examinations, the erythrocytes appearing normal in shape and size.

Clinical examination of the patient was satisfactory. The "lead line" had disappeared. Blood pressure was 125/95 mm. Hg. By the ordinary tests the urine had been normal throughout. Her colour had greatly improved and menstruation had now returned. Her bowels were regular. She stated that she felt in normal health.

SUMMARY

1. A case is described of severe lead poisoning in a woman after the ingestion of 110 grains of acetate of lead, taken over the period of a month for purposes of criminal abortion.

2. Hæmatological data, some points of which appeared atypical, are recorded.

3. Results of "de-leading" measures using parathyroid extract parenterally are given and the

effects of the use of the extract and varied calcium intake on the blood-lead content are described.

Our thanks are due to Dr. John Reid and Dr. J. Norman Cruickshank for facilities given for the study of the case and also to Dr. W. M. Ford Robertson for the serum-calcium estimations.

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PREVENTION OF COMPLICATIONS DURING GOLD THERAPY IN TUBERCULOSIS AND ARTHRITIS

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IN recent years gold preparations have been extensively used in the treatment of joint diseases, showing, no doubt, that they are a really effective remedy where one was especially needed. The old methods of physical and medicinal treatment yield but small results, and the rheumatic diseases make such large demands on the disablement pay-roll that any advance is welcome. Gold therapy was originally used in tuberculosis, and was extended to joint affections, according to Forestier, on the theory that it acted on streptococci. I have used it on the hypothesis that there is a connexion between joint diseases and tuberculosis.

In both groups of diseases the gold preparations cause certain symptoms which impede their widespread use. Any attempts at preventing these reactions will depend upon how they are interpreted. The opinion of the majority is that they are due to metal poisoning, and they are usually described as gold intoxication. If this is so, treatment or prophylaxis will be difficult and it will be inexcusable to use gold preparations further in a patient who has shown such symptoms. We are here dealing with very varied and complicated compounds, some of which may undoubtedly be dangerous.

My own experience with gold treatment goes back to 1923, when I introduced the Danish preparation Sanocrysin (Möllgaard) in my clinic, and I have since used this preparation constantly, having first-hand knowledge of the chemical and animal control of its production. I have always opposed the theory of metal intoxication, and have maintained that the reactions are due to toxins liberated from the lesion itself. My reasons include the following:—

(1) Reactions or complications after administering gold salts depend primarily upon the anatomical conditions present. In closed cases (pleurisy, fibrous tuberculosis, joint affections), where there is a likelihood of the absorption of liberated toxins, severe reactions such as rise of temperature and erythemas appear only in the first stages of treatment. Reactions, then, do not depend upon the total amount of metal injected, but upon the individual dose. In open cases expectoration provides drainage which prevents severe intoxication, and patients with open lesions may be given larger doses.

(2) Gold salts may give rise to conjunctivitis and phlyctenas. But phlyctens can only be evoked experimentally by injecting sanocrysin into tuberculous animals (Edmund 1935).

(3) The erythema nodosum and other erythemas seen after giving gold salts are also seen in tuberculous patients apart from treatment.

(4) In tuberculous persons injection of gold salts may be followed by a hyperglycæmia (Bording and Secher 1929), analogous to that which follows injection of bacterial toxins, especially tuberculin.

PROPHYLACTIC USE OF VITAMINS

Whereas in tuberculosis gold treatment is now generally uneventful, difficulties arise in patients with joint diseases, presumably because of their sensitiveness to liberated toxins. To overcome this I now aim at increasing their resistance by energetic treatment with vitamins A, B, and C.

The vitamin supply of civilised man is so small that he is badly equipped to meet special demands on these substances. Not only in Denmark but in other countries where investigations have been carried out latent vitamin deficiencies have been found in asylums and other institutions and in the population in general, more particularly those deficiencies characterised by affections of the skin, mucous membranes, and eyes. Lack of vitamin A may be responsible for keratomalacia and hemeralopia, keratosis of the skin, stomatitis, and abnormalities of the nasal mucous membranes. In recent years, following the observations of Hess-Thaysen, research has shown that vitamin-B deficiency is more important than was imagined, and cases of pellagra with affections of the skin are comparatively common. Intestinal diseases, even sprue, are sometimes caused by vitamin-B deficiency, which is also a factor in the production of keratitis. In the present connexion vitamin C is no doubt of special importance, not only for its effect in infections, including tuberculosis, and in scurvy, purpura, and thrombopenia, but also because it has been found to be deficient in rheumatic fever and polyarthritis.

This reference to the action of vitamins in producing symptoms similar to those which accompany sanocrysin treatment will explain why it is reasonable to attempt to counteract these symptoms by giving large doses of vitamins. Since September, 1936, I have given preparations containing the following daily to all tuberculous and arthritic patients receiving sanocrysin:—

Vitamin A: 20,000 international units.
Vitamin B_1: 750–1500 I.U.
Vitamin B_2: 375–750 Krieger Lassen units.
Vitamin C: 2500 I.U.

The dosage is three or four times that which is generally considered the normal demand. This treatment should be begun a few days before sanocrysin is given. The results so far have been excellent; the general condition of the patients has been much improved, and there have been no difficulties of any kind in the 150 patients treated.

SPECIAL COMPLICATIONS

Various investigators have described a long series of reactions or complications accompanying gold treatment and have used these terms indiscriminately according to the significance they have attached to them. Thus in my opinion an erythema is a desired reaction and a sign of the efficiency of the treatment, whereas to others it is a complication. Various reactions during gold treatment, such as agranulocytosis and neuritis, have been described, but are extremely rare. The only reactions I have found troublesome are thrombopenia and dermatitis. These will now be considered separately.

(1) *Thrombopenia.*—After the introduction of sanocrysin treatment in joint diseases attention was quickly

focused on the thrombopenias and we observed three severe cases with one death. This was the more remarkable as in about 700 tuberculous patients treated I have seen only a single case. A number of other workers have reported this reaction. Heinild (1937), however, in my department has proved clinically and experimentally that the gold does not injure the hæmopoietic system. Fever during infection is associated with a decrease in the number of thrombocytes; so by making a count at a suitable time we may be deluded into thinking we are dealing with an effect of sanocrysin. Furthermore, a thrombopenia may be an allergic reaction to liberated toxin, and if these reactions are coincident the combined effect may be dramatic. This reaction thus confirms my conception of the intoxication. I have had no case of thrombopenia since the introduction of vitamin treatment.

Eosinophilia has been widely discussed, and has been used as a control of the course; but I have not been able to ascribe any special importance to it and have certainly not found it useful as a guide in treatment, since it appears too late.

(2) *Dermatitis.*—From the earliest days of gold therapy the exanthemas and erythemas have attracted attention, and it was because of them that the hypothesis of gold intoxication arose. In the following cases of rheumatic polyarthritis exanthemas appeared after quite small doses.

CASE 1.—A woman aged 51. She had had "rheumatism" in her left wrist when she was 6 and the joint had since been stiff. For 14 years she had had pains in the joints and in the last 2 years had been treated three times with X rays, without effect. She had kept to her bed for the last three months. When admitted to hospital in March, 1937, she had considerable limitation of movement in her elbows, wrists, and left knee, and both knees were swollen. Her temperature was normal. Pirquet's reaction negative; Möllgaard positive; sedimentation-rate 46. She was given vitamin therapy from March 21st. On April 6th she received 0·35 g. of sanocrysin and half an hour later complained of pains in various joints, especially the elbows, and there was reddening of the finger-joints, and injection of her conjunctivæ. Her temperature rose to 39·1° C. that evening and she had a severe night-sweat. In the following four days her temperature ranged from 37·6° to 38·6° C. and by April 10th her pains had entirely disappeared. On April 12th her temperature rose to 39·1° C. and a typical rash appeared which lasted for about two weeks, then developing into a mild dermatitis. Her eosinophils were as follows:—

April 6th	.. ..	Eosinophils	1 per cent.
" 16th	.. ..	"	8 "
" 30th	.. ..	"	51 "
May 11th	.. ..	"	16 "
" 20th	.. ..	"	12 "
" 25th	.. ..	"	10 "

When she was discharged on June 5th she had no pain and her sedimentation-rate was 8. The eosinophilia, to which I do not attach any special importance, is evidence of a "biological immunity" reaction, and in my opinion the conjunctival reaction lent support to my theory of liberated toxins.

CASE 2.—A woman aged 66. She had had pains in a number of joints for six months and had been confined to bed for nine weeks. On admission on March 21st, 1937, she had swelling and limitation of movement in all the joints of her fingers, in her knees, ankles, wrists, elbows, and shoulders. Pirquet and Mantoux negative; Möllgaard positive; sedimentation-rate 26. She was given 0·25 g. of sanocrysin on April 2nd and again on April 5th. A rash appeared on April 10th with pyrexia. After the reaction she had an eosinophilia of 11 per cent. She was allowed up on May 5th. On her discharge on May 22nd her finger-joints, knees, wrists, right elbow, and left shoulder were still swollen but she was able to walk about and could comb her hair and clench her fists. She had no pain except on drawing a deep breath. Her sedimentation-rate had fallen to 20.

CASE 3.—A man aged 25. He had had transient joint pains a year before. The present attack began a month before admission with pain and swelling of the joints of his feet, ankles, and knees, which steadily got worse. A week before admission he had pain and swelling of his finger-joints, elbows, and shoulders, but he had continued at work. On April 11th, 1937, when he was admitted to hospital, there was only a small degree of lessened mobility of his affected joints. Pirquet and Möllgaard positive; sedimentation-rate 25. His temperature was normal but he was in constant pain. On May 19th he was given vitamin therapy. His sedimentation-rate was then 34. On the same day he received 0·35 g. of sanocrysin which was followed by a rigor and a rise of temperature to 40° C. A rash appeared on the following day and lasted four days. On May 21st he developed stomatitis. On June 1st he received a further 0·5 g. of sanocrysin which was followed by smarting of the eyes and itching of the skin, and some injection of the fauces. His pains were very much less by June 8th. On the 9th he had 0·20 g. of sanocrysin and on the 15th a further 0·35 g. both with no reaction. He discharged himself against medical advice on June 24th. He then had no pain but his sedimentation-rate was 73.

The erythemas sometimes develop into forms of dermatitis which may be very severe and even lead to death from sepsis. Since the introduction of vitamin treatment I have seen two cases, both mild, and possibly due to sanocrysin being started too early. Time must be given to build up the vitamin store of the body before injections are begun. If this is done vitamin treatment seems to protect the patients against complications.

SUMMARY

The reactions provoked by sanocrysin (gold) therapy are attributed to liberation of toxins from tuberculous or rheumatic lesions.

They may be prevented or checked by giving large doses of vitamins A, B, and C before and during treatment.

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Clinical and Laboratory Notes

ANEPHROGENESIS

BY D. E. PRICE, M.B. Lond.
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CONGENITAL absence of both kidneys and ureters, in the absence of other gross congenital defects, is an extremely rare condition, and should render this case of sufficient interest to be placed on record.

Rosenbaum (1931) first discussed the condition in a series of 91 cases, extending over a considerable number of years, all of which showed maldevelopment elsewhere in other organs. Bates (1933) published 2 cases of his own, and collected 5 others, in mature

and viable fœtuses and associated with oligohydramnios. Gowar (1935) reports a case similar to ours in which a child, accompanied by a normal amount of liquor amnii, survived for an hour after delivery.

A woman, aged 30, presented herself at the antenatal department at approximately the twenty-eighth week of her second pregnancy. She had one normal child, weighing 7½ lb. at birth.

Examination.—She was healthy, her urine was normal, and the blood pressure within the normal range—110/80 mm. Hg. The fœtal heart was heard beating strongly, with a normal rate and rhythm. Further examination, at the thirty-second and thirty-sixth week, confirmed the findings of the previous examination, the urine remained free from abnormal constituents, the systolic pressure rose slightly to 132 mm. Hg, but the diastolic fell slightly to 75 mm. The presentation was a vertex in the left occipito-anterior position and the pelvis was roomy.

Delivery.—Soon after the last examination she was admitted in labour—i.e., approximately four weeks

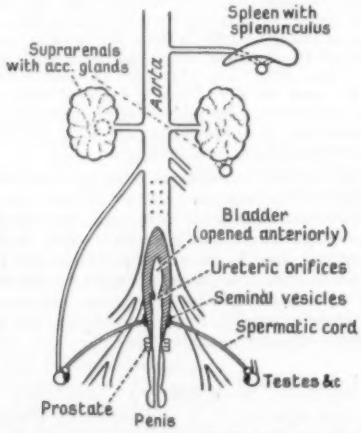

Diagram of urogenital system and vessels.

before the expected date of delivery. After nine hours in the first stage she was delivered, easily, of a living male infant weighing 5 lb. 4 oz. The second stage was accompanied by the passage of an apparently normal amount of liquor and the perineum remained intact. The third stage and puerperium proceeded normally.

Examination of the placenta showed very little infarction and numerous small white nodules, about 3 mm. in diameter, in the membranes on the fœtal surface. These nodules were insoluble in fat solvents and proved histologically to be small nodules of fibrin, showing slight necrosis in the centre and early organisation at the periphery. In places there was destruction of the amniotic cells covering the surface of the nodules.

Immediately after delivery the child appeared very cyanosed, shocked, and limp. He was treated with heat and the mucous catheter. Inhalations of a mixture of 95 per cent. oxygen and 5 per cent. carbon dioxide were given to stimulate respiration and ½ c.cm. of Lobeline was injected into the umbilical vein. Obvious respiration commenced within 25 minutes of delivery, but the child did not cry in the usual healthy manner. Breathing consisted of shallow gasps at irregular intervals. Regular breathing was never properly established and oxygen was administered continuously. Although the cyanosis lessened the child remained a dusky hue until he died three hours after delivery. During this time the muscle tone improved but was never completely normal, and although meconium was passed, no obvious urine was excreted.

Post-mortem report.—The body of a well-nourished premature infant. The thoracic organs, as a whole, sank in water, individually the left lung floated but the right sank. The right lung was plum-coloured with slight aeration along the fringes. The right and left ventricles of the heart were equal in size, the foramen ovale and ductus arteriosus were patent. The vascular system appeared normal, the suprarenal vessels passing from the aorta and inferior vena cava at the usual sites to the hila of the glands. The spermatic vessels entered the main trunks on both sides. The alimentary system showed nothing relevant, the liver being fatty at the periphery of the lobules. A small splenunculus was found in apposition to the hilum of the spleen. The kidneys and ureters on both sides were absent. In consequence of this the suprarenal glands, represented by two flat, semilunar discs of about normal size, showed altered anatomical relationships (see Figure). The external poles had undergone a downward and internal rotation, so that the inferior or renal border in the normal organ was presented to the aorta and became the internal border. Two small nodules, approximately 3 mm. in diameter, were found; the first was in apposition to the posterior surface of the hilum or aortic border of the left gland, the second attached to the inferior pole of the right gland. These were thought at first to be kidney remnants, but on microscopy proved identical with suprarenal cortex. The bladder was represented by a fibromuscular tube, continuous above with a non-patent urachus and below with a patent urethra. It contained no fluid. Papillæ were found in the bladder at sites corresponding with the normal ureteric orifices. These were patent for a distance of about 1 mm. No flaps were seen around the verumontanum. The remaining systems were normal.

A case has been described of anephrogenesis with complete absence of ureters in a child surviving for three hours. In addition the following points are of interest: (1) normal amount of liquor amnii; (2) slight amniotic inflammation; (3) accessory nodules of splenic and suprarenal cortical tissue; (4) no left ventricle hypertrophy. Cases of this nature have been excellently discussed by previous authors and no useful purpose is served here by recapitulation.

We are greatly indebted to Prof. W. D. Newcomb and Mr. A. W. Bourne for allowing us to publish this case.

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A NOTE ON THE ACTION OF CONCENTRATED SULPHURIC ACID ON VARIOUS TYPES OF HAIR

By D. P. Lambert, M.D. Edin.
MAJOR, I.M.S.

When human head hair is treated with concentrated sulphuric acid and observed under the microscope the outer fibrils of the hair are the first to be attacked. They become partially separated one from the other, giving the hair a shaggy appearance. Here and there the hair edge acquires a wavy outline. After ten minutes this action is very evident and an intact central core can be seen with a shaggy margin on either side. The core occupies about a third of the diameter of the hair, and surrounds the medulla if a medulla is present. If heavy pressure is now applied to the cover-glass the core resists, but the edges are flattened out, many fibrils being completely

separated whilst others remain in sheaves and bands. By manipulation the core can be freed from the outer fibrils. With prolonged action of acid and further pressure the core can be reduced to individual fibrils similar in all respects to those of the outer sheath: but the fibrils of the core seem to have more cohesion, do not split off so easily, and tend to be arranged in long bands which look like raffia under the 8 mm. objective. Moustache hair, axillary hair, pubic hair, and thick body hair behave very similarly, but are much more resistant to the action of acid, probably because of their greater thickness; for, with head hair, thin hair seems less resistant than thick. Infants' hair behaves like thin adult hair.

Animal hairs so far tested, except those of the apes and of the dog and wolf, show much less resistance to the action of acid and pressure. The species examined were sheep, horse, cat, ferret, rabbit, guinea-pig, rat, mouse, cheetah, polar bear, syrian bear, American bison, and arctic fox. Most of these if examined soon after the acid has begun to act show more or less shagging of the margins, but on applying pressure after ten minutes their structure is almost completely destroyed. This destruction is accompanied by much evolution of gas, presumably from the action of the acid on the cells of the medulla.

Ferret hair shows a peculiarity not duplicated in any hair so far examined. After allowing the acid to act for five minutes and manipulating the hair the outer fibrils can be made to stand out like the barbs of a feather.

Dog hair shows a core like that of human hair but not so resistant to pressure. Further the fibrils of the outer layers show less cohesion and are stouter than those of human hair. Wolf hair behaves like dog hair, but is thicker and compares with dog hair as moustache hair does with human head hair.

Chimpanzee hair and gorilla hair behave very like human hair. Possibly the core is less resistant than that of human hair, but accurate measurements of pressure would be needed to determine this. Orang-utan hair shows a core but very little outer shagging; instead a clear zone develops, which flattens out on pressure with very little separation of fibrils. In white-handed gibbon hair a fine core is present, less resistant than that of human hair; the outer fibrils are very large and distinct, and have little cohesion.

It will be necessary to extend this work to many more animal species, and to devise means of applying accurately measured pressures. The range of variation in the resistance of human hair can then be determined and strict comparisons made with ape hair and with other resistant animal hairs that may be found.

I am indebted to Mr. T. H. Gillespie, director of the Scottish Zoological Park, for specimens of animal hair; to Prof. A. R. Moritz of Harvard for the sample of gorilla hair; and to Prof. Sydney Smith for the hospitality of his laboratories.

BLOOD PRESSURE IN SCARLATINAL NEPHRITIS

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"Further investigation to decide the time relation of albumen and hypertension in post-scarlatinal nephritis would be highly desirable" (Fishberg 1934). According to Kylin (1926) a rise in blood pressure precedes the nephritis by some three to four days. Gram (1936) thought that the majority of scarlatinal patients have a latent nephritis. Lastly, Bayart (1933) found a rise in blood pressure in the third week in a number of cases and in the majority this was followed by nephritis.

INVESTIGATION

It was decided to investigate the blood pressure in a series of 50 cases of scarlet fever during the first three weeks of illness. It was found that the cases could be divided into four groups, according to the date of the rise in systolic blood pressure (see Table).

INCIDENCE OF RAISED BLOOD PRESSURE AND ALBUMINURIA IN 50 CASES OF SCARLET FEVER

Group.	Date of rise in pressure.	No. of cases.	No. with albuminuria.
I	Third week.	8	3
II	Second and third week.	7	2
III	Second week.	12	5
IV	Nil.	23	12

If one examines the cases from the aspect of renal lesions, the earliest sign is albuminuria. This may be febrile or functional, or due to pathological renal changes, &c. Albuminuria in the first week of illness has been ignored since it is possibly febrile. Later in the illness it is the only renal sign whether it arises from true nephritis or not.

The Table shows that 27 of the whole series had a rise of pressure in the second or third weeks and 10 of these cases had albuminuria at some period, but in only 6 did the albuminuria follow the rise in pressure. Of the 23 that had no rise in pressure 12 had albuminuria. It is therefore evident that a rise in blood pressure does not necessarily predict albuminuria nor does albuminuria mean that the blood pressure will be raised. The pressure rose in 17 of the 28 without albuminuria—i.e., with no apparent renal trouble. Of the 22 cases with albuminuria 16 were not preceded by a rise in systolic blood pressure. Can we therefore assume a relationship between raised blood pressure and albuminuria?

In the 50 patients 3 developed clinical nephritis. In only a single case was there a rise in blood pressure, and this occurred after the appearance of hæmaturia.

CONCLUSIONS

1. The systolic blood pressure in scarlet fever is very variable. Albuminuria is a very common sign in the disease.

2. There is no rise in systolic blood pressure at the critical period, nor is it possible to diagnose an early post-scarlatinal nephritis by daily blood-pressure readings. If there is a prenephritic rise in blood pressure it must be very slight and transient.

I wish to thank Dr. T. Archibald for permission to carry out the investigation.

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MEDICAL SOCIETIES

ROYAL SANITARY INSTITUTE

AT a meeting of this institute held at the Perivale Maternity Hospital on April 21st, the chair was taken by Prof. J. M. MUNRO KERR, and an opening paper on the

Planning of Hospitals

by Mr. L. G. PEARSON, F.R.I.B.A., was read by the secretary. Mr. Pearson said that in planning to start a hospital the plan of the wards might well be shaped first, as it gave the key to the lay-out. The old idea that wards must always have a north and south access and windows spaced at eight-foot centres down each side was now considerably modified. The side-lighted ward with beds placed parallel to the window wall had proved a good alternative, but attention must also be paid to the corridor side, by the provision of fanlights, borrowed lights, and so on, if cross-ventilation was to be preserved. The corridor itself must also be well lighted and ventilated. Cross-ventilation was difficult to secure. With modern methods of antisepsis and electrical light and ventilation, the medical man did not insist so strongly as in the past on the old arrangement, but good natural light and ventilation to every part of a hospital would always be the aim of the designer.

Electric lifts had made a more concentrated form of planning possible, but the approach to them and their position became most important. Direct access and ample turning space on the upper floors must be provided, and noise from the lift motors must be eliminated. The placing of a maternity block close to but separate from a general hospital ensured separate entrances and isolation. The ceiling-panel system of low-pressure hot-water heating had proved successful in many hospitals and provided a good alternative to the ordinary radiator. It suffered, however, from the time-lag defect and was not so flexible. Simplicity in working and economy in running of a hospital would always be the first considerations.

Dr. JAMES FERGUSON spoke of the planning of the general hospital. He said that the requirements of Surrey were 2·5 beds per thousand of population, and a new hospital of 860 beds was being built for the suburb of St. Helier. Within the next five years 1500 new beds would be available. The architect should if possible be appointed before the site was chosen, and should be a specialist. The doctor could exert most influence at the stage of sketch plans. The most favourable position should be chosen for the wards, with the best aspect and the least external noise. The lines of internal communication should be carefully situated and undue distances between interrelated parts avoided. At the St. Helier hospital the chief centres of internal noise—the lifts, staircases, and main service corridor—had been kept as far as possible away from the wards themselves. The lay-out of a hospital depended largely on the size and composition of the ward unit: the group of beds under one sister. This unit should contain as many beds as a sister could supervise and yet give individual attention to each patient. The figure suggested by the departmental committee on hospital costs was 30. The first question in planning a ward unit was whether a system of large or small wards should be adopted. There was a general tendency to subdivide the unit into a number of relatively small wards—in England not more than 16 beds. In the St. Helier hospital the ward unit was divided into one ward of 18 beds, two wards of 4 beds, and four single wards. If the corridor system were adopted, the wards should not be more than 2 beds deep, or lighting and ventilation would be inadequate. A longitudinal arrangement of the beds allowed one or both sides of the wards to be composed mainly of windows, so that patients could be nursed in practically open-air conditions. The committee had said that this arrangement did not appear likely to affect constructional costs materially, but might involve additional expense in working. Wards should be between twenty-four and twenty-six feet wide, and the centres of the beds should be eight feet apart. The ancillary rooms should be so arranged that carrying and walking were reduced to a minimum. The balance of advantage in economy and convenience was in favour of the high against the low building. It was vital to provide some degree of luxury in the nurses' quarters. Each nurse must have a bedroom to herself, and senior nurses either a bed sitting-room or two rooms. Ample provision must be made for recreation both in the home and outside.

Dr. THOMAS ORR, in a paper on the planning of

MATERNITY HOSPITALS

said that the first important factor in design was the prevention of puerperal infection, the second the importance of providing antenatal care for those women who needed it. The tendency had been to lessen the population of wards and to provide a much larger number of single-bed wards. The Departmental Committee on Maternal Mortality and Morbidity had advocated, for the optimum of safety, a hospital with 50 or 60 maternity and 5 to 10 antenatal beds. A maternity hospital of less than 20 beds could not afford the responsible staff which was necessary to maintain skilled supervision, for an experienced medical officer must be directly in charge. A much larger hospital could be efficiently run if it were divided into units. Dr. Orr did not agree with the committee in their advocacy of maternity accommodation at general hospitals on the ground of economy. Moreover, the need of facilities for specialised treatment was very small. A radiological department was used before the patient went into hospital and not afterwards, and a laboratory service could always be obtained apart from a general hospital. The strong arguments in favour of an entirely separate institution were that the normal maternity patient was not a sick woman, and that separate housing must be provided for the nursing staff attending maternity cases, to protect them against infection from the general nurses and to facilitate the control of possible carriers among the nursing staff.

The ward block of the Perivale Maternity Hospital consisted of two floors, each with two units. Each of these consisted of one 6-bed ward and four single-bed wards, a sluice room, bathroom, and closet accommodation. The intention was to keep the mothers, after confinement, in the single-bedded wards for the first three days, the time during which most complications arose. The single-bed wards were also used for abnormal cases, except those with a rise in temperature, and for antenatal cases. The proportion of single wards had not been found too high. They had windows in their partition walls for supervision and to prevent patients from feeling lonely. A view of persons passing along the corridor was irritating

to patients, and so no window was placed in the corridor wall. All the wards had a south aspect. The design allowed extensions from the ends of each corridor, in the form of groups of small wards or of large wards as might be thought desirable. Each unit would ultimately have 14 or 16 beds, with the existing proportion of single-bed wards. The heating was by radiators of the hospital type with concealed pipes, and the floors were of oak strips. The labour block was separated from the ward block by a long corridor, and had an admission room, a bathroom, and an examination room which could be used as a delivery room. On the north side of the corridor were an operating theatre and two delivery rooms. The block was built so that more delivery rooms could be added. They faced north and were well away from the ward block. If a woman arrived too early she was placed in a single-bed ward until the first stage was passed, when she went to a delivery room. No separate section had been allotted to antenatal cases, which were admitted to single-bed wards. It seemed desirable to keep them separate, as they varied greatly in character and the demand for antenatal treatment was irregular. In a separate block 3 isolation beds were provided, but puerperal cases were sent to the isolation hospital. The antenatal clinic had better be in a position convenient for patients, but the staff should be identical with that of the hospital.

DISCUSSION

Prof. J. A. DOULL (Western Reserve University, Cleveland, U.S.A.) said that his hospital delivered about four thousand women a year. The patients were carefully selected by six antenatal stations. It also held antenatal classes for patients of private physicians. The fee was two dollars and the numbers were rapidly growing. No member of the class had died during the past year. Syphilis had declined slightly in the last few years among white women and young coloured women, but had increased among older coloured women. The incidence in coloured women was 10 to 12 per cent., as against the 2 per cent. of the white women. It constituted a serious problem.

Mr. A. SAXON SNELL, F.R.I.B.A., declared that the greater the experience of the hospital architect the more he appreciated the coöperation of the highly competent medical man. The site of the St. Helier hospital was small, but had open spaces on three sides. It fell a few feet from south to north, so that the ground level for the administrative and service buildings was lower. No connecting corridor had been made, but subways joined all the blocks, so that space and air were not interfered with. Building in height must be more economical than building over a large area.

Dr. G. F. BUCHAN doubted whether, in view of the changing conditions of the nursing service, the size of a ward unit could depend entirely on the capacity of the sister. It must be affected by the number of nurses employed and the hours of their employment. He could not agree on the necessity for having a maternity department attached to a general hospital. If a woman required specialist treatment, the specialist had to come to her, and it did not much matter where she was. There were advantages in the elasticity given by a large proportion of single wards. Isolation beds should be provided for women suffering from tuberculosis or such conditions as discharging ear, and for infection contacts. Isolation beds were therefore convenient for a large number of cases, the existence of which might be overlooked in the planning of the hospital. The antenatal clinic should be near the woman's home and not necessarily in the hospital grounds, but the staff of the hospital must be associated with it. The important part of the hospital was not the building but the running, and most women would rather be delivered by a competent obstetrician under inferior conditions than vice versa. Local authorities might well spend more money on competence than on building.

The PRESIDENT related that when the Glasgow Maternity Hospital had been projected thirty years ago, the senior obstetricians, the architect, and an expert in hospital construction had been sent on a tour of continental hospitals and had made careful notes. On their return, the medical officers had made detailed plans of the medical requirements. The comparison with existing methods had been found most useful. There was great advantage in the appointment of a visiting physician to antenatal wards to examine women with cardiac, renal, and other complicating conditions. It was advantageous to be able to bring the physician from an adjoining general hospital rather than cause him to make a special journey. Without antenatal beds, a hospital could not train midwives in antenatal care. He preferred single labour rooms, in which the patient could be placed at the onset of labour and left until it was over, unless she had to be taken into a special delivery room. The effect of sedatives was much greater if the woman were not disturbed. The efficiency of the staff was of prime importance, but simplicity of design helped simplicity of staffing. The ideal arrangement was that of the Rotunda, where a master and assistants carried on the work. The size of the hospital was immaterial; the important factor was the arrangement. Hospitals of 400 beds were efficiently run in Vienna under a resident superintendent. The admission block of a maternity hospital dealing with emergencies was very difficult to design. Cases of all kinds passed through it: suspects, possible septic cases, emergencies in the middle of labour, early and "clean" cases. There should not be separate institutions for clean and for emergency cases, but the main maternity hospital should have a block for emergencies, which should never pass the ordinary admission block at all. The labour room section should consist of single rooms with a delivery room for operative cases, associated with a "battery" of about fifty wards, with five or six labour rooms. By this means the number of women going to each section would be cut down. The method of concentrating all the women into one labour block was very dangerous. By the other arrangement, a case of infection could instantly be traced and contacts isolated. It was a great mistake to put all difficult cases into the suspect block. The source of infection in that type of case was often an anaerobic and not a hæmolytic streptococcus. They were not nearly so dangerous as the catarrhs, influenzas, or sore-throats, which should be carefully isolated. Emergencies should be dealt with in a separate block of wards with its own labour room. Abortion cases might well be sent to an institution, without the maternity label, such as an isolation hospital.

The increase in the numbers of women attending maternity hospitals was very marked, and he hoped that some day every maternity case would be treated in an institution. Local authorities must obviously design hospitals with a view to extension.

REVIEWS AND NOTICES OF BOOKS

Chemistry of the Brain

By IRVINE H. PAGE, A.B. (Chem.), M.D., Hospital of the Rockefeller Institute for Medical Research, New York. London: Baillière, Tindall and Cox. 1937. Pp. 444. 34s.

THE increasing tendency to apply biochemical methods to the study of mental disease has led to closer investigation of the chemistry of brain substances, well begun by Thudichum between 1865 and 1885 and since neglected for many years. Modern methods have greatly extended the scope of measurement of brain metabolism, and although it is not yet possible to construct an orderly plan of the sequence of events, at least we are familiar with many of the enzyme systems concerned.

Both aspects of this subject are on the whole well described in this book, which will be of value to an increasing number of specialists. It has certain defects. One is that too much space is devoted to general biochemistry, without special reference to brain or nervous tissue. The fact that the brain consists largely of sterols is hardly sufficient reason for a discursive chapter of 40 pages on these compounds, of which four or five deal with brain sterols in the narrow sense. Another defect is that the editing and arrangement of the material have not been done with such care as a complicated theme demands, and there is duplication of material in several places. Nor is the detail unassailable. The formula given for benzpyrene on p. 12 is that of dibenzanthracene, and those of adrenaline and reduced coenzyme (pp. 112 and 180) need clarifying.

One of the most valuable sections of the book is that on the phosphatides and fatty acids; their metabolism in brain and nervous tissue is fully discussed. In dealing with the carbohydrates Dr. Page adopts an entirely different pattern from that which governs his discussion of the sterols and lipins. He omits all description of the structure of the compounds and plunges straight into the various schemes of carbohydrate oxidation. In his account of the Embden-Meyerhof scheme he might well have drawn more attention to the rôles of magnesium ions and cozymase; he tends to give the impression that the scheme is one of oxidation whereas it was originally devised for the explanation of the lactic acid formation. This section is largely based on Meyerhof's 1933 article in *Nature* and might have been brought more up to date by reference to various excellent reviews in the *Ergebnisse Enzymforschung*. It is astonishing to find no reference to the important views on carbohydrate oxidation of Szent-Györgyi and his school (1934 to date); certainly Dr. Page's preface is dated 1936, but this work was well recognised even at that time. The section on glyoxylase could quite well have been written in 1931; no mention is made here of the rôle of glutathione as coenzyme to this system, although this is noted (p. 169) under quite a different heading. The reference to the excellent research of Gerard and others on nerve metabolism is only indirect. The space given to the N-metabolism of brain is meagre, and here a serious omission is that of the interesting discovery by A. Fölling in 1934 of the excretion of phenylpyruvic acid, presumably formed from phenyl alanine, in the urine of certain feeble-minded children—a condition called by its discoverer imbecillitas phenylpyruvica. J. H. Quastel has supplied an admirable chapter on oxidations in the brain, the older work on this subject having been surveyed by Dr. Page in the main body of the book.

The reference throughout the book to original sources is one of its good features, and it is encouraging to realise how many notable advances have been made since its completion. These include the discovery of the relationship of vitamin B_1 to cocarboxylase, of the probable functions of nicotinic acid, and of the formation of acetylcholine in surviving brain tissue. All this work will be entitled to explanatory notice in Dr. Page's next edition, and we hope much more will have reached this stage by the time it is needed.

Les hémorragies utérines avant et après la ménopause

By CLAUDE BÉCLÈRE. Paris: Masson et Cie. Pp. 210. Frs.50.

THIS book gives much information about menopausal hæmorrhage, but announces the existence of "metropathia hæmorrhagica" almost as a discovery. Functional hæmorrhage due to endocrine disorder without gross genital abnormality is, however, no novelty. M. Béclère suggests its treatment by the production of an artificial menopause with radium or X rays as if this were an innovation, though it has been an established procedure for years; he scarcely mentions administration of hormones for this condition, except to note that it may be attempted, and that his efforts in this direction have rarely been successful.

His book is for the most part an exposition of the uses and technique of "hysterosalpingography"—i.e., X ray of the uterus and tubes after the injection of lipiodol. The method is extolled for its utility, simplicity, and acceptability to the patient. No anæsthetic is needed, but the examination must take place in a fully equipped X ray room, so that the patient can be both filmed and screened. A special syringe and nozzle with attached manometer and volsellum forceps are required. The instrument is inserted with the patient in the lithotomy position, with the aid of a speculum, after thorough cleansing of the cervix, and it is recommended that the following twenty-four hours be spent in bed, although a few hours' recumbency suffices. Lipiodol has been used in England for investigation of the patency of the tubes in sterility cases; its use for picturing the uterine cavity with "filling defects" like a barium meal is an extension of the method not generally used here. As a routine examination it is hardly likely to find favour, since little can be discovered that will not be revealed by examination under anæsthesia with diagnostic curetting, a simple procedure that requires no elaborate apparatus, although it does imply a short anæsthetic and a few days in bed.

Another fallacious impression given by M. Béclère is that hysterectomy has been almost a routine treatment for any abnormal hæmorrhage occurring between the ages of 40 and 60, and that "hysterosalpingography" will enable us to distinguish between functional and anatomical disorders, to get some indication of the presence or absence of malignancy, and so avoid surgery for many cases. In our experience hysterectomy is much less common than he appears to think; the need for it can often be excluded by curettage, and if it is found to be essen-

tial the operation can be done at the same session. This is not to say that M. Béclère's method is without interest. His careful clinical records, painstaking classification, and beautiful photographs will repay study.

The Infant

A Handbook of Modern Treatment. By ERIC PRITCHARD, M.D. Oxon., F.R.C.P. Lond., late Medical Director, The Infants Hospital. London: Edward Arnold and Co. 1938. Pp. 744. 18*s*.

IT is the sub-title of this book that gives the keynote of its contents; only sufficient is written about ætiology and pathology to explain the rationale of the treatment described, and prognosis is not discussed. Dr. Pritchard supplies a vast amount of information on the management and treatment of disease in infants and young children, most of which is very practical. An original and particularly useful suggestion is for the administration of thyroid to premature infants.

The practitioner who studies this book will receive help in many of his problems. He should realise that statements are made and views expressed which are personal ones, not accepted or taught by pædiatricians in general. For example, Dr. Pritchard holds in cœliac disease it is essential to give fats in full amounts, a view quite opposed to that usually adopted. His opinions about congenital pyloric stenosis are contrary to those generally held at the present time, and his dictum on mongolism—that "there can be no question that it is greatly improved by endocrine treatment"—reflects an unusual outlook. Dr. Pritchard's attitude to infant feeding is coloured by his belief, which lacks support, that a permanent hyperchlorhydria is liable to result if an infant is given such amounts of protein as are present in undiluted cow's milk; for this reason he advocates relatively low protein feeding. The arrangement of the book is good, and it is very well produced.

The Metabolism of the Frog's Heart

By A. J. CLARK, M. G. EGGLETON, P. EGGLETON, R. GADDIE, and C. P. STEWART, Departments of Medical Sciences, University of Edinburgh. Edinburgh and London: Oliver and Boyd. 1938. Pp. 308. 15*s*.

THE study of the metabolism of cardiac muscle is one of the most fundamental in the whole subject of tissue metabolism, and for this the heart of the cold-blooded animal has certain advantages over the hearts of mammals. So many of our opinions on tissue metabolism to-day are based on the results of chemical examination of tissue slices or pulps that it is essential to check these results, where possible, on tissues which are alive and functioning in a manner as near as possible to the normal. The isolated heart provides exceptional opportunities for such investigations, and much work has been done during the last 25 years on this material. Prof. Clark and his collaborators have given especial attention to the frog's heart, and have obtained results which are of value not only in themselves, but also as forming a body of evidence which largely corroborates that obtained from the study of the mammalian heart, and in some directions carries our knowledge further than these can be expected to do. This volume is a welcome exposition of their work in this field, and of the position which their investigations have now reached. It is very well produced, has an adequate bibliography, good figures, and an appendix of the methods used. References to the metabolism of the mammalian heart are only incidental, as the title would imply, and, like those to skeletal and plain muscle, are for purposes of comparison only. The book will be valued by those engaged on similar problems and by senior students of physiology and biochemistry.

The Alimentary Factor in Disease

Second edition. By MAX H. KUCZYNSKI, M.D., D.Sc., Pathologist to the Ministry of Public Health of Peru. The Hague: G. Naeff. 1937. Pp. 130. 3 guelders.

THIS book is not, as its title might suggest, a comprehensive review of the relation between nutrition and general disease, but an account from a pathologist working in Peru of a series of experimental observations. It deals with such problems as the disturbance of metabolism in yellow fever, the baldness produced in mice by feeding with fats, and the sex incidence of diseases connected with the wasting of vitamin B_1. The observations made seem to reflect a rather limited outlook and will be of interest chiefly to others working in the same experimental field.

British Journal of Surgery

THE hundredth number of this journal, dated April, 1938, contains the following papers:—

EVOLUTION AND DEVELOPMENT OF SURGICAL INSTRUMENTS.—By C. J. S. Thompson (R.C.S. Eng.). This, the fourth article in the series, deals with the evolution of the trepan and the operation of trepanning from prehistoric times to that of Sir Victor Horsley.

PARALYSIS OF THE BLADDER AND ASSOCIATED SEQUELÆ OF SPINAL ANÆSTHESIA (Cauda Equina Syndrome).—By Fergus R. Ferguson and Kenneth H. Watkins (Manchester). In the 14 cases described the use of heavy Duracain is blamed for the nerve injury, and the Novocain constituent is the toxic agent. Retention (succeeded by incontinence) of urine, incontinence of fæces, "saddle area" anæsthesia, and diminished ankle-jerks comprise the syndrome. Recovery is slow and may be incomplete.

CARCINOMA OF THE SMALL INTESTINE.—By Sir W. I. de C. Wheeler (London). In the case reported the growth was in the jejunum. The clinical findings include intermittent attacks of colic and vague abdominal pain, anæmia, and loss of weight and of appetite, with occult blood in the stools.

ENCEPHALOCELE ASSOCIATED WITH HYPERTELORISM AND CLEFT PALATE.—By Michael C. Oldfield (Leeds). The encephalocele protruded through a defect in the sphenoid and was seen in the palatal cleft. Operation was unsuccessful. The significance of widening of the nose and of the increased distance between the orbital fossæ is discussed with other points in diagnosis.

CHRONIC LYMPHŒDEMA.—By E. D. Telford and H. T. Simmons (Manchester). Five distinct groups are recognised, and clinical examples quoted of the congenital, post-traumatic, and spontaneous types. In the authors' experience the Kondoléon operation and sympathectomy have both given disappointing results.

DISLOCATIONS AND FRACTURE-DISLOCATIONS OF THE PELVIS.—By R. Watson-Jones (Liverpool). Single fractures of the pelvic ring, which cannot be widely separated and require treatment by simple recumbency, are contrasted with combined fractures of the pubic and sacro-iliac regions, which tend to be widely disrupted and require reduction and fixation in plaster. The value of the lateral position in reduction is demonstrated.

PATHOLOGY OF THE SINGLE NODULE OF THE THYROID GLAND.—By A. M. Boyd (London). Eighty-eight solitary nodules have been examined. It is concluded that they were all innocent neoplasms, ranging from fœtal adenomata to adenomata having adult characters. No essential developmental difference is recognised between the tumours, but they are distinct from nodular goitre.

FIFTY-THREE CASES OF VESICAL DIVERTICULÆ.—By R. Ogier Ward (London). Clinical details are given of all the cases with particular attention to the part played by obstruction to outflow in their causation. Excision of the diverticulum is described.

OPERATION SUPPLEMENTED BY OBTURATOR IN THE TREATMENT OF CLEFT PALATE.—By R. R. Fitzgerald (Montreal). Results are assessed by perfection of speech and not of anatomical reconstruction. In nine cases with wide gap and scanty soft tissue, the method of Gillies and Fry has given improved speech in all who are old enough to be tested.

CLINICAL COURSE AND PATHOLOGY OF BURNS AND SCALDS UNDER MODERN METHODS OF TREATMENT.—By W. C. Wilson, Agnes R. MacGregor, and C. P. Stewart (Edinburgh). It is concluded that acute toxæmia in burns is an entity distinct from secondary shock and from sepsis, and that it is due to a toxin produced in the injured tissues which is absorbed and damages severely the cells of the liver. Efficient tannic acid treatment is the best preventive, combined with intravenous dextrose.

OSTEOCLASTOMA OF THE AXIS VERTEBRA.—By E. H. Allon Pask and S. L. Baker (Manchester). In the case described the body of the axis was almost completely destroyed. Death was due to multiple pyæmic lung abscesses following femoral thrombosis.

CASE OF CIRSOID ANEURYSM OF THE SCALP.—By Frank Rundle (London). Thorotrast radiograms showed a dilated tortuous superior temporal artery running through the tumour. Histologically the veins were seen to be more numerous than the arteries. Excision was successful.

EXPERIMENTAL INVESTIGATION INTO THE CAUSE OF PARALYSIS FOLLOWING SPINAL ANÆSTHESIA.—By A. D. MacDonald and K. H. Watkins (Manchester). Cats were used for the experiments. The paralysis was of the cauda equina type, and its causation was traced to the cocaine substitute in the anæsthetic injected. Paralysis lasted up to six months and passed off slowly.

NERVOUS CONTROL OF GASTRIC SECRETION: an experimental study.—By T. Stewart Heslop (R.C.S. Eng.). Cats and dogs were used. A tube was inserted through the duodenum into the stomach. It was proved that secretion of mucus and decreased acidity of the juice followed stimulation of the sympathetic part of the autonomic outflow. Increase of the gastric secretion and of its acidity followed parasympathetic stimulation.

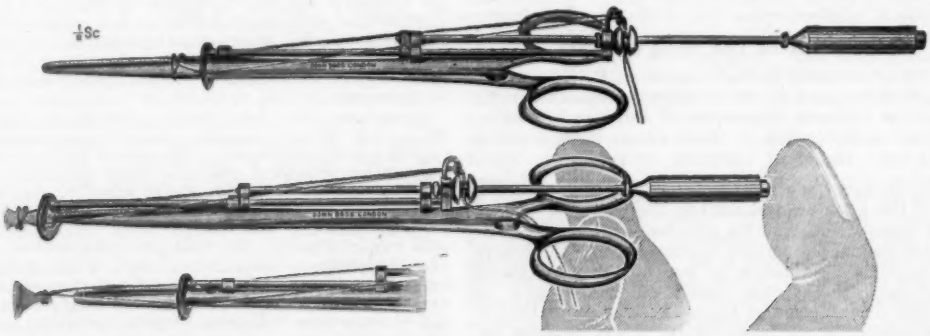
NERVOUS FACTOR IN TRAUMATIC SHOCK.—By David Slome and Laurence O'Shaughnessy (R.C.S. Eng.). It was concluded from 103 animal experiments that, provided the nervous factor is controlled, fluid loss is not fatal. Spinal anæsthesia and amputation of an injured limb both counteracted shock. The nervous factor is regarded as being of paramount importance.

NEW INVENTIONS

THE WEBB LIGATURING ATTACHMENT

NATURE having handicapped me with short fingers I have for a long time felt the urgent need for an instrument that could quickly and cleanly ligate a distant blood-vessel. I know this desire is also felt by some of my fellow practitioners. Mr. Charles H. Webb of New Zealand, in response to my suggestion and with the coöperation of Down Bros. Ltd. (London, S.E.), has designed what appears to me to be a perfect instrument for this purpose.

The instrument is time-saving, it gives good visibility at the operation site, it can be sterilised easily, it allows the use of either hand, and it enables one to tie a knot of any type. The resultant speed in tying blood-vessels has helped me to preserve a cleaner field than before, at the same time using fewer forceps within the limits of the operation area. For example, in tonsil dissection valuable time is saved because it takes only two or three seconds after picking up the blood-vessel to ligate it with any type of knot. The instrument can



To the usual pattern 7-in. Spencer Wells' forceps has been added an unobtrusive mechanism that enables the surgeon to push a loop of ligature over the tip of the forceps, and by rotating a handle, pull that loop tight with the threads in a plane at right angles to the forceps. A loop is tied over the forceps and the instrument threaded as shown in the Figure. The forceps are applied in the ordinary way and the loop can be pushed forward by the sliding mechanism; rotating the handle tightens the previously made knot. The instrument can then be withdrawn as usual and the ligature ends cut. A variety of knots can be tied and are shown on a direction paper supplied with the instrument.

then be immediately removed from the throat and the tonsil bed thoroughly examined for other bleeding points. It is useful in all cavity operations where normally it is difficult to ligate basal bleeding points. In partial thyroidectomies also the time spent in tying blood-vessels and the number of forceps employed can be considerably decreased.

The attachment has now taken its place as an absolute necessity in my equipment. Incidentally my short fingers prove to be a fine asset when using it.

RICHARD E. ISAAC, M.R.C.S. Eng.

London, N.

THE LANCET

LONDON: SATURDAY, APRIL 30, 1938

SCIENCE AND HUMAN SOCIETY

A SUPPLEMENT to *Nature* of April 23rd discusses the formation of a society for the study of the social relations of science. The question is posed in an editorial article, advance proofs of which were sent to representative scientific workers, who were invited to express their views upon it. The forty replies make an interesting symposium. By some writers doubts are expressed whether there is any need to add to the number of scientific societies; the objects desired might be secured through existing agencies. But the weight of opinion is in favour of setting up a new body to promote the objective study of the repercussions of science upon social development. In some countries such studies have already been begun. The American Association for the Advancement of Science has resolved to make the examination of the social effects of science one of its aims. The International Council of Scientific Unions, partly at the instance of the Amsterdam Academy of Sciences, appointed last year a committee to review science and its applications as a whole and to promote the study of their social influence. Its first function is to prepare a report, with a bibliography, to be presented at the next meeting of the I.C.S.U. in 1940. The British Association, in view of the growing public interest in scientific questions, is grouping into a series those communications that bear more immediately on communal life, and has authorised the publication of a review of recent scientific progress (The March of Science, 1931–35), which is intended to be the first of a quinquennial series. The stage seems set for the new development discussed in the *Nature* symposium.

The progress of science is towards increased specialisation, and there is increasing need for some synthesising agency that shall bring scientific workers into closer touch with each other and with social workers and men of affairs. As Prof. FLUGEL puts it, what is wanted is "a consultative body to which politicians, social administrators, and industrialists will naturally turn for help and information, and to which men of science also will apply for assistance in obtaining such social facilities as they may need for their work." Various specific problems are suggested for the new society to attack. It might, for instance, collect information on such subjects as the present status of scientific research and teaching at home and abroad, the number of scientific workers, the methods of financing and coördinating research. Prof. A. V. HILL suggests that there is room for a code of ethics for scientific workers. He points out that medicine has long had standards of ethical behaviour, which have been of great value both to medical practitioners and the public; and he thinks the new society might consider questions of the "ethics of secrecy and research, of patenting discoveries of value to the public, of advertisement, of 'expert evidence,' of permitting scientific quackery, of exploiting dangerous knowledge or selling dangerous drugs . . . . of using a reputation gained by scientific work, or reflected from the main body of scientific workers, for any sectional or selfish purpose." Sir JOHN RUSSELL, writing of larger ethical problems, thinks that among the ultimate effects of scientific discoveries on modern thought is the moving away from religion as the basis of life and character. "The firm belief in a just God who would redress in a future life the pains and sorrows suffered in this life undoubtedly gave our fathers a strong feeling of courage, hopefulness, and optimism which many observers declare to be lacking to-day." Prof. PHILIP points out that advances in knowledge have not been accompanied by advances in social ethics, and that the application of the wonderful discoveries of the last fifty years has in many cases provided nothing more than what Mr. ALDOUS HUXLEY calls "improved means to unimproved ends"; and he adds that "it is time that vision and brains were devoted, not so much to an extension to the boundaries of knowledge, as to a serious and systematic examination of the problems which the discoveries of science have created." Few will dissent.

Science has transformed the conditions in which we live; the world of "Pride and Prejudice" and "Vanity Fair," though separated from us by little more than a hundred years, seems almost as remote as the Middle Ages. Science has made human life more varied with many new sources of passive enjoyment. It has freed us from pestilence and famine, deprived disease of many of its terrors, and has within a century raised the mean expectation of life at birth in this country from 41 to 61 years. It has given us the power to save life on an enormous scale. But it has also given us the power to destroy life on an enormous scale. Physics and chemistry have combined to produce efficient aircraft and efficient explosives and poison gas; and though medical practitioners in this country are no longer called upon to treat such diseases as plague, malaria, typhus fever, or scurvy, new fields of medical activity are opening up among the man-made diseases of war. Finally, science has not only placed in our hands various highly effective means for protecting and destroying human life. It has done more. It has enabled us to prevent human life. Already in nearly all the countries of western civilisation the annual number of births is below that required to replace the present numbers of the population, and contraceptive methods are becoming increasingly efficient and more generally employed. There are still those who doubt whether it is our capacity to destroy, or our capacity to prevent, human life that holds the greater menace to western civilisation. The new society will have much to think about.

WATER BALANCE AND THE MENSTRUAL CYCLE

FLUCTUATIONS in body-weight and water balance in relation to the human menstrual cycle have been discussed more than once in these columns. A year ago we drew attention [1] to the apparent anomaly that whereas the ape tends to retain water at the time of ovulation, waterlogging in woman is most noticeable in the days immediately preceding menstruation. At that time it did not seem possible to find a common explanation for these changes, but further evidence has since appeared, and the position is now much clearer. Drs. THORN, NELSON, and THORN [2] were prompted to a study of "menstrual œdema" by their observations that various sex hormones—notably œstrogenic hormones—when injected into normal dogs caused a considerable retention of water and a parallel increase in body-weight. They accordingly set out to collect careful records of body-weight in a group of 50 normal women and in some of them were also able to make more detailed studies of the excretion of water, salts, and of sex hormones.

As regards the premenstrual phase of the cycle, the new American observations simply confirm and amplify earlier reports. A premenstrual gain in weight of 1 kg. or more was observed in 24 of the 50 women. This is accompanied by increase of water and sodium chloride and is therefore due, as previous writers had suspected, to retention of extracellular water. Of greater interest, however, is the discovery that no fewer than 38 women also showed a temporary gain in weight of 1 kg. or more in the middle period of the cycle—a gain that was also attended by retention of salt and water. This intermenstrual retention seems to be analogous with that observed in the ape, and in both species it appears to take place at or about the time of ovulation. Although the change in the ape is largely attributable to a swelling of the genitalia which is not demonstrable in the human subject, it seems probable that the same mechanism is concerned in the two species. In searching for this mechanism it is clearly desirable to look for some factor common to both menstrual and intermenstrual œdema, and since the output of œstrin is increased at both these times it is reasonable to suspect that this hormone may be in some way implicated. The proof cannot be expected however until the secretion of sex hormones can be measured more accurately than is at present possible.

Meanwhile the observation is likely to interest those concerned with another problem—namely, the suggestion that in woman sexual intercourse is fruitful only at the time of ovulation. The practical implications (for good or evil) of this belief are so far-reaching that it should clearly be either established or disproved without delay. The collection of appropriate data on a scale suitable for statistical analysis is in itself a formidable task, but a greater obstacle is the difficulty of determining exactly when ovulation occurs in a given menstrual cycle. If it can be shown that the transient intermenstrual gain in weight that is displayed by some 75 per cent. of women coincides fairly closely with ovulation, the examination of the "safe period" hypothesis might be simplified.

[1] *Lancet*, 1937, **1**, 522.
[2] Thorn, G. W., Nelson, K. R., and Thorn, D. W., *Endocrinology*, 1938, **22**, 155.

THE SMALL INTESTINE

AN old anatomy book remarks that the pancreas is so difficult to find as to deprive it of interest. That is hardly the case now; but certainly one of the reasons why our knowledge of the small intestine has remained meagre is that it is effectively hidden in the abdominal cavity where it is relatively insusceptible of clinical and laboratory examination. It is true that the duodenal contents may be obtained by tubage, and an estimate of the ileal contents may be made if the rate of passage through the colon is hurried. Even with special technique, however, the radiological examination of the small intestine is much less informative than that of the stomach or colon. The function of the small intestine is nevertheless of fundamental importance in nutrition; its secretions complete the disintegration and digestion of the three main classes of foodstuffs—proteins, carbohydrates, and fats—and its vast surface accounts for a remarkable absorptive capacity. That there is, as in so many important organs, a considerable reserve is shown by the fact that many feet of small intestine may be resected without apparent disability. At the same time, defective function of the small intestine may lead to much disturbance of body health generally, as shown in the sequelæ of enterogenous infantilism, cœliac disease, and sprue, while profound and catastrophic toxæmia and shock follow acute catarrhal enteritis, especially of children, and acute intestinal obstruction. In the former there is paralytic ileus from toxic paralysis of the bowel muscle; in the latter there is ileus from blocking of the passage of intestinal contents by band or pressure; in both, symptoms of intense severity result. Secretions continue to be poured into the bowel above the obstructed portion and reverse peristalsis forces the intestinal contents into the stomach, whence they are vomited. The loss of fluid leads to fall of blood chlorides and dehydration, bacterial pullulation adds to the toxæmia, and the damaged tissue may produce histamine which contributes to the shock. Great prostration results and, if the cause be unrelieved, leads to death.

In health, owing to the large surface area, absorption takes place readily even though the intestinal contents are passed along at a fairly rapid rate. The rate of passage appears to be slowed when insufficient bile enters the duodenum, owing to obstructive jaundice; peristalsis is speeded up in such conditions as Graves's disease, after pituitary extract, massage, and the ingestion of very hot or very cold food or drink. Little is known of the state of tonus of the intestinal muscle; on it may depend symptoms of dis-

comfort—pain, wind, and flatulence—which are apt to be regarded as functional in the complaining type of patient. In others, with congestive heart failure or stasis in portal circulation, the sluggish circulation may be responsible for insufficient absorption and carrying off of gases formed in the bowel; a frequent concomitant of gas accumulation in the bowel is a lymphadenitis of the mesentery. Apart from these states of stasis, varying in degree from acute obstruction to functional slowing, the small intestine is peculiarly liable to a group of bacterial infections. On the other hand, compared with the stomach and colon it is relatively immune to cancer and the only growth of the small intestine that is at all common is the comparatively benign polypoid adenocarcinoma, which may be multiple. This difference in frequency of new growth in the small intestine, compared with the large intestine and the stomach, may be related to the stasis occurring in the latter organs, while the passage of the fluid contents of the small intestine is rapid. In spite of this rapid rate of passage, however, bacterial infections—typhoid, the paratyphoids, the food poisoning bacteria, cholera, anthrax, and tubercle—are frequent, as well as the non-specific catarrhal enteritis so common in children at certain times of the year. A chronic form of enteritis, affecting more especially the terminal ileum, has recently become defined as a disease entity. This ileitis,[1] also called Crohn's disease (he rediscovered it in 1932), has a variable symptomatology, cases simulating appendicitis, ulcerative colitis, or intestinal obstruction, or causing local abscess or fistula. The causation is at present unknown and treatment by excision offers the best result, though sometimes short-circuiting is the only possible procedure. In this disease and in other forms of infection, after peritonitis and operations, adhesions may form round the bowel, impeding its movement and function. Discomfort and more or less aching colicky pain, feelings of flatulence with or without distension, irregularity of the bowels, and alternating diarrhœa and constipation, may be complained of; these symptoms of mild chronic partial obstruction are accompanied by profound and increasing nervous phenomena, leading often to a diagnosis of neurosis.

In a clinical study[2] Sir EDMUND SPRIGGS has brought together his observations relating to another, and hitherto little recognised, condition of the small intestine—namely, diverticulosis. Diverticula of the duodenum, already found occasionally at autopsy, have been demonstrated with considerable frequency by radiology. Their symptoms if present resemble those of chronic duodenal ulcer; inflammation may occur in the wall of the diverticulum or spread to the neighbouring pancreatic tissue. Surgical interference may be required; operations for removal of the diverticulum, its invagination, or even short-circuiting the duodenum have been successful. SPRIGGS, with Mr. O. A. MARXER's help, has now collected a series of forty-nine cases of diverticula of jejunum and ileum, many of which were multiple. The patients were of middle age, average 55 years. The commonest symptoms were flatulence, abdominal discomfort, nausea, and eructation; intermittent abdominal distension was sometimes noted. Since the symptoms appear in adult life and the diverticula have been observed on repeated X ray examination to increase in number and size, they are not regarded as congenital but as due to some weakness, probably the result of previous inflammation, of the intestinal muscle which allows of herniation through it of the intestinal mucosa. Measures directed to the lubrication of the bowel with paraffin, bowel antiseptics and carminatives, and attention to the health of the body generally, have been followed by considerable relief.

[1] See *Lancet*, Feb. 5th, 1938, p. 334.
[2] *Lpool med.-chir. J.* 1937, 45, 159.

THE BUDGET

MOST of the thoughts aroused by the new Budget would have been more usefully expressed ten, fifteen, or twenty years ago, when there were better opportunities for conciliation in Europe. Each year the Finance Bill reveals the trend of national policy, and the one described on p. 1027 is primarily devoted to foreign affairs. It would have been useless to expect the CHANCELLOR at such a juncture to make his Budget into an instrument of social reform, as some of his predecessors have been able to do, and he has probably made the best of an awkward situation. But even a rearmament Budget must have social consequences, intended or otherwise. At first sight the new taxation may be of little medical interest, but it is actually full of importance for medical men both as taxpayers and sociologists. Some attempt has been made to avert the burden of an increase in income-tax from those with the smallest taxable incomes; but this concession will be of little value to the majority of the medical profession, who will feel the full effect of the extra demands. The Budget thus further increases the difficulties of professional people who would like to have larger families but feel less and less able to give them the education and amenities they themselves enjoyed. As much as, or more than, deliberately socialist legislation it makes for a levelling of the classes; it hastens the time when the doctor's son must go to the same school as the labourer's son. This in itself may be excellent; but unfortunately rearmament does nothing to make that school worthy of either. We must look forward to days when the national expenditure will once again be directed to national rather than international objects, and for the moment get what comfort we can from Mr. EDEN's emphasis on spiritual rearmament in his speech on Budget evening.

CONGRESS OF OBSTETRICS AND GYNÆCOLOGY.—The International Congress of Obstetrics and Gynæcology will meet at Amsterdam from May 4th to 8th. The main subjects for discussion are eclampsia, thrombosis and embolism, and hormones. The hon. secretary of the congress is Dr. F. C. van Tongeren and he may be addressed at the University Clinic of Obstetrics and Gynæcology Wilhemingasthuis, Amsterdam, W.

ANNOTATIONS

NOT A LIFE SENTENCE

As set out in our medico-legal column recently (p. 908) a mental defective made good in the Court of Appeal his contention to have been unlawfully restrained in an institution for several years. The verdict will do something to correct the rather widely spread impression that mental deficiency is practically a life sentence. The position is really that although mental deficiency remains for life that does not mean that cases cannot and should not be discharged. It is only a comparatively small proportion of mental defectives who are liable under the Mental Deficiency Act to be placed in institutions and if in the course of time this liability no longer exists, it is possible and necessary that the case should be discharged. A considerable number of patients are discharged from time to time because the reasons for the original order no longer apply. This does not of course imply that they are no longer mentally defective. With one exception the discharge of all patients dealt with under the Mental Deficiency Act was placed by Parliament in the hands of the Board of Control. The original order is effective only for one year, at the end of which time a continuation order must be made by the Board—and so on at regular intervals. If no continuation order is made the patient is automatically discharged. Section 11 of the Mental Deficiency Act lays down the procedure by which special reports and certificates must be sent to the Board at certain specified times. They are two in number, one made by the local justices and the other by a medical man. In each case the patient must be seen and the conditions carefully considered. If the two reports agree the Board has no option but to continue the order or to discharge the patient (as the case may be), but if there is a disagreement between the two reports, one recommending discharge and the other the continuation of the order, the Board has to make the decision. Such cases receive very careful consideration by the Board which makes thorough inquiries before forming its decision, which may be for or against discharge. The exception is when patients are seen at the age of 21, when the justices have the absolute power to discharge the patient, if they so decide. Should application be made for the discharge of a patient from the order either by the patient himself or by any friend or relative, the Board gives every consideration to the request, asking for a medical report on the patient, a report on home conditions, and so forth. Actually a considerable proportion of the discharges are the result of a request either by the patient himself or his friends or relatives, made in the interval between continuation orders.

HELIUM IN ANÆSTHESIA

It seems improbable that helium will play any large part in medical work even in America, where alone it is fairly easily procured. The most effective medical use to which it has been put in the United States appears to be for the relief of obstructed breathing during anæsthesia. Its value for this purpose lies in its extremely low specific gravity. The lightness of the gas enables it to be inhaled—and an anæsthetic vapour with it—at times when ordinary inhalation of an anæsthetic, even accompanied by oxygen, is proving difficult. Helium is entirely inert and the basis for its clinical use is to be found in its low specific gravity and rapid rate of diffusion.[1] A mixture for example of 60 per cent. helium, 25 per cent. oxygen, and 15 per cent. cyclopropane, has a specific gravity only about half that of a mixture of 85 per cent. oxygen with 15 per cent. cyclopropane. Patients suffering from stridor, whether from reflex spasm or from mechanical obstruction such as tracheal compression, have often gained speedy relief from the inhalation of helium with their anæsthetic during induction. A mixture of helium and oxygen has also been used in cases of partial respiratory paralysis during spinal anæsthesia, and it is stated that breathing became easier than when either air or pure oxygen was inhaled. Apparently, to avoid waste, the closed CO_2-absorption technique must be adopted when helium is to be employed. When obstruction is present before the beginning of induction this is started with three litres of helium to one of oxygen, with the mask closely fitted to the face. Then cyclopropane is added at the rate of 300 to 500 c.cm. per minute until anæsthesia is established.

WHY ARE TEETH SENSITIVE?

Those of us who have acutely sensitive patches in places where the gum has receded can hardly believe their dentist's story that the question of whether the dentine is or is not innervated has long been a subject of intensive research; that it has aroused acute and sometimes bitter controversy, and is even now in doubt. More than one patient has retorted with a yell that the evidence seems to him good enough, even as the man who kicked a stone thought that he had refuted the views of Bishop Berkeley on the non-existence of matter. Yet the problem is complex enough. The presence of nerve-fibres in the dental pulp is easily demonstrated. They accompany the blood-vessels and can be followed as far as the odontoblast layer of cells without difficulty. What if anything happens to them after that has excited much interest among histologists. The most recent contribution to the subject is that of O. W. Tiegs of Melbourne who replies[2] to some criticisms by W. Lewinsky and D. Stewart[3] of his own earlier work on the same subject.[4] A. Hopewell-Smith, a dental histologist who had devoted much study to this subject, held that the nerve-fibres ended under the odontoblast layer and that the Tomes's fibrils which proceed from the odontoblasts and pass into the dentinal tubes acted as end-organs and conveyed impulses from the dentine to the nerves. J. H. Mummery, who also spent many years on this problem, believed that he had traced the nerve-fibres into the dentine, and communicated a series of papers describing his results to the Royal Society. Later he went further and claimed to have found a layer of nerve-cells underneath the odontoblasts in which the nerve-fibres ended; from these cells, he said, axones proceeded into the dentine and could be followed for some distance. The evidence offered for this unusual arrangement was never fully accepted and this fact has tended to discredit a little unfairly his earlier work. Actually much of Mummery's pioneer work has been confirmed by Tiegs, though the latter, rather to our surprise, makes no reference to it. Using the Bielschowsky method, Tiegs has now described nerves in large numbers passing

[1] Eversole, V. H., *J. Amer. med. Ass.* March 19th, 1938, p. 878.
[2] *J. Anat.* January, 1938, p. 234.
[3] *Ibid*, 1936, **70**, 349.
[4] *Ibid*, 1932, **66**, 622.

through the odontoblast layer and entering the narrow zone of tissue subjacent to the calcified dentine. Here most of them run among the Tomes's fibres as delicate and often branched fibrils and end, according to Tiegs, on the Tomes's fibres by distinct end-organs similar to the "boutons terminaux" of the central nervous system. Although he has noted the passage of a fibre through the subdentinal layer to the orifice of a dentinal tube, he has never observed a nerve passing along the tubes, and anatomically there is thus no evidence of an innervation of the peripheral part of the dentine which clinically is the most sensitive part of a tooth. Since the subdentinal layer, though apparently uncalcified, is usually regarded as a dentine matrix, later on becoming calcified, Tiegs's work might be regarded as proving the innervation of dentine, though only in an academic sense. Even now the histological problem is not entirely settled and we may anticipate further discussion on a point which seems to exercise a peculiar fascination for dental histologists, though the drawings which accompany Tiegs's paper seem to justify his conclusions. Translating histological findings into clinical terms it looks as if the acute sensitiveness of dentine must be due to a stimulation of the Tomes's fibres which transmit impulses to the nerve-fibrils and set up the pain which is caused in exposed dentine by differences of temperature and by touch and is so unpleasant an accompaniment of conservative dentistry. Why the teeth should be so richly supplied by nerves is, anyhow, difficult to explain. Tiegs suggests that it is a mechanism which serves to protect them from undue strain. He instances the momentary sharp pain felt when a piece of grit in the food suddenly concentrates the force of the bite on a tooth. One of the ways in which the wearing away of the tooth surface is compensated for is the formation of secondary dentine by the pulp which is thus protected from exposure. Possibly it is the abundant nerve-supply of the dental pulp that in some way enables this protective deposition of dentine to take place.

SERUM TRANSFUSIONS FOR SHOCK

ALTHOUGH opinion is divided on the exact mechanism of traumatic shock, there seems to be general agreement that the end-result is a dangerous lowering of the blood pressure, due to reduced blood volume. It is not to be wondered at that there should be no unanimity on the radical treatment of shock, directed to its causes; but it is certainly surprising that so many different methods should be recommended for restoring the lowered blood volume. For example, whole-blood transfusions are advised, even though there is often already an increased concentration and viscosity of the blood: hypertonic and physiological salt solutions are given, despite the fact that there is no special reduction of salts. Yet, although the reduction of blood volume is evidently due to loss of plasma, one seldom hears it suggested that plasma (or serum) should be used. It is noteworthy therefore that Bond and Wright,[1] in experiments on dogs injured in various ways, have demonstrated the superiority of serum over other transfusion fluids for this purpose. They used dried serum which was redissolved in water for use, and because of its ready solubility was termed "lyophile." When saline solutions failed to restore a gravely lowered blood pressure, transfusions of lyophile serum, either at normal strength or hypertonic, gave good results. Similar results were obtained with serum in acute hæmorrhage, and although whole-blood transfusion is clearly preferable in this condition, serum has the advantage of being immediately available and apparently of keeping indefinitely. Bond and Wright's success, and its obvious theoretical suitability, should encourage the use of lyophile serum in the treatment of shock in human beings.

[1] Bond, D. D., and Wright, D. G., *Ann. Surg.* April, 1938, p. 500.

VASODILATORS IN THE TREATMENT OF TOBACCO AMBLYOPIA

THAT tobacco may be the cause of temporary blindness was realised in Germany towards the end of the eighteenth century, and in this country tobacco amblyopia was described in 1832 by Mackenzie in his text-book "Diseases of the Eye." The precise pathology of the disorder, however, is not yet fully understood. It seems that the toxin has a selective action on certain central ganglion cells and nerve-fibres, producing a central scotoma and degenerative changes limited to the papillomacular bundle. In spite of the increased consumption of tobacco, especially in cigarettes, toxic amblyopia from this cause does not seem to be so prevalent as it was years ago. Personal idiosyncrasy and some depressing external agents such as an illness or digestive disturbance play an important part in its onset.

About 1896 Maitland Ramsay suggested that vascular spasm might be responsible for transient blindness from tobacco-poisoning, and since then Sir John Parsons and others have favoured this hypothesis. It has been pointed out that no obvious ophthalmoscopic changes can be seen in the retinal circulation in tobacco amblyopia, but some authorities suggest that the vascular spasm affects the vessels supplying part of the chiasma. Assuming spasm to be the cause, Pflimlin[1] in 1930 treated eleven patients suffering from tobacco amblyopia with injections of sodium nitrite twice weekly for 3–11 weeks. Eight of them recovered 6/12 vision or better, and five had 6/6 or better in an average of 36 days. Cordes and Harrington[2] in America have reported six cases treated by subcutaneous injection of sodium nitrite daily on alternate days, of whom five recovered 20/30 vision or better in an average of 24 days and three had 20/20 in both eyes in an average of 10 days. Duggan[3] in 1935 reported twenty-four cases which he had treated with 6–10 intravenous injections of sodium nitrite administered daily; twenty-one recovered 20/30 or better in one or both eyes in an average of 18 days and twelve had 20/20 in one or both eyes in an average of 30 days. Of twenty-two cases treated by Duggan with acetylcholine injections, sixteen showed a visual improvement to 20/30 or better in at least one eye in an average of 14 days and seven recovered 20/20 in an average of 13 days.

There is some dispute about the way in which the vasodilators act. Some authorities doubt whether vasodilatation of the retinal vessels occurs at all; others even say that vasoconstriction takes place; and some comment on the transience of the action of these drugs on the vessels of the visual pathway, which probably lasts not more than a few minutes. But whether the vascular spasm hypothesis is correct or not, and whatever the precise action of vasodilators on the vessels of the visual pathway, there seems to be substantial clinical evidence that the new remedies are useful in hastening recovery from tobacco amblyopia, for without them even mild and moderate

[1] Pflimlin, R., *Klin. Mbl. Augenheilk.* 1930, **85**, 787.
[2] Cordes, F. C., and Harrington, D. O., *Arch. Ophthal., N.Y.* 1935, **13**, 435.
[3] Duggan, W. F., *Ibid*, p. 1059.

cases require at last 2–3 months' total abstinence for recovery of vision and in severe cases anything between 5 and 30 months may be necessary. Some of the patients treated with vasodilators have not even abstained from tobacco during treatment and yet have shown visual improvement. As between the two vasodilators mentioned it seems that sodium nitrite is slower than acetylcholine in effecting visual recovery, but it gives a greater degree of recovery. Its higher efficiency is probably due to its being destroyed, inactivated, and excreted less rapidly than acetylcholine.

THE DIABETOGENIC SUBSTANCE OF THE ANTERIOR PITUITARY GLAND

THE work of Houssay [1] and others during the last few years has shown that administration of suitable anterior-pituitary extracts to normal animals may lead to the temporary appearance of a condition resembling diabetes mellitus. More recently Young [2] has been able to induce a permanently diabetic condition in dogs by the daily injection of a crude anterior-lobe extract for a short time. It is perhaps unfortunate that the active principle concerned is sometimes called the "diabetogenic (or diabetogenous) *hormone*." A hormone is liberated into the blood stream to fulfil a physiological function, and the function of the active factor in the pituitary extract is obviously not the induction of diabetes. Seeking for a substance resembling the pituitary diabetogenic factor in urine, Houssay and Biasotti [3] tested the action of extracts of the urine of normal and of diabetic human subjects on the blood-sugar level of the hypophysectomised-depancreatised toad. They found that 25 per cent. of the extracts from normal urine and 70 per cent. of those from diabetic urine induced a significant rise in the blood-sugar level of the operated toads within 24 hours. The urines of 5 hypophysectomised dogs yielded active extracts, although the urines from three others did not. Figures similar to these were obtained for the urines of normal unoperated dogs, and Houssay and Biasotti could draw no definite conclusion about the physiological significance of the urinary substance. Many workers have found that various types of urinary extracts will cause a rise of blood-sugar within an hour or so of injection into a normal rabbit. Davis, Hinsey, and Markee [4] believe that the hyperglycæmic factor in urine may be a substance of the type of uric or hippuric acids, but others have inclined to the view that the urinary factor is identical with the pituitary diabetogenic substance. Bjering [5] has lately put forward this view again. He has found that subcutaneous injection into rabbits of a concentrated extract of the urine from normal, diabetic, and pregnant human beings may cause a substantial hyperglycæmia within three or four hours of injection. In general the extracts from the urine of diabetic and pregnant patients were more effective than those from the urine of normal subjects. Bjering admits that "neither the works at present available nor his own investigations prove with any certainty that this principle is the diabetogenous hormone of the anterior pituitary lobe," but he says that he believes this to be the case, for which reason he calls his urinary hyperglycæmic factor "the diabetogenous hormone."

It should be emphasised that a peculiarity of the diabetogenic action of anterior-lobe extracts on normal animals is the slowness of response to the daily administration of an active preparation. Hyperglycæmia and glycosuria seldom appear until the third or fourth day of the daily injections, and the injections of extract on the first and second days have little or no immediate action of the blood-sugar level (Houssay,[1] Young [6]). Houssay distinguishes between an immediate hyperglycæmic action of anterior-pituitary extracts and a true diabetogenic action exhibited only after some days of daily administration of extract to a normal animal; it is perhaps a pity that many workers should ignore this distinction. We believe that when a urinary substance, whose injection causes an immediate rise of blood-sugar, is described as similar to (if not identical with) the diabetogenic substance of the anterior pituitary lobe the description is not in agreement with the facts. If a urinary substance is shown either to increase the blood-sugar of a hypophysectomised-depancreatised animal, or to cause hyperglycæmia, &c., in a normal animal after three or four daily injections, then the question whether or not the substance is identical with the diabetogenic factor of the anterior pituitary gland can justifiably be discussed. Even then, in view of the positive results of Houssay and Biasotti with urine from hypophysectomised animals, the pituitary origin of the urinary factor seems doubtful.

If it can be demonstrated that the urine from diabetic or pregnant patients yields a substance with an immediate hyperglycæmic action significantly more often than does the urine of normal subjects, then an interesting fact will have been established. The value of such a fact will be obscured rather than enhanced by unjustified attempts to implicate the pituitary gland.

CEREBRAL LESIONS OF HYPERINSULINISM

THE toxic effects of insulin upon the central nervous system have become far more important now that patients are being given large doses of insulin for long periods in the treatment of schizophrenia. Between 1928 and 1933 the brains of a few diabetic patients who had died in hypoglycæmia were examined but the histological changes found could not be attributed to the effect of insulin alone, since it was acting on an already diseased brain; Elias and Goldstein, moreover, had shown that patients suffering from organic cerebral disease are supersensitive to the action of insulin. There have also been reports of what was found in the brains of two non-diabetic patients who died of hyperinsulinism. Generally in these cases there were widespread changes in the cerebral neurones, with liquefaction, vacuolisation, and homogenisation of the ganglion cells; subarachnoid and cerebral hæmorrhages were found in the diabetics. Experiments were also performed on dogs and rabbits, but the results were conflicting, M. H. Schmid in particular obtaining no evidence of irreversible changes. Such changes were supposed by many to occur in the insulin treatment of schizophrenia, some saying that they are a small price to pay for the benefits of the treatment—an opinion hardly to be adopted while the extent of the benefits and of the cerebral changes are both uncertain. Weil, Liebert, and Heilbrunn [7] have lately carried out further animal experiments in which they imitated as closely as possible the clinical procedure in the

[1] Summarised in *New Engl. J. Med.* 1936, **214**, 971.
[2] Young, F. G., *Lancet*, 1937, **2**, 372; *J. Physiol.* 1938, **92**, 15P.
[3] Houssay, B. A., and Biasotti, A., *C.R. Soc. Biol. Paris*, 1933, **113**, 469.
[4] Davis, B. L., Hinsey, J. C., and Markee, J. E., *Endocrinology*, 1934, **18**, 382.
[5] Bjering, T., *Acta med. scand.* 1938, **94**, 483.
[6] Young, F. G., *Biochem. J.* 1938, **32**, 513 and 524.
[7] Weil, A., Liebert, E., Heilbrunn, G., *Arch. Neurol. Psychiat., Chicago*, March, 1938, p. 467.

treatment of schizophrenia. Of their fifteen rabbits six died suddenly during a convulsion, three of them having had a long period of injections (46–57 days). These three showed ischæmic disease of the ganglion cells, vacuolisation, and homogenisation, whereas in other rabbits, killed more than two months after a similar amount of treatment, shrinkage of the cytoplasm and nuclei were the striking features. In both groups there was diminution in the number of neurones in various cortical areas. The investigators suggest that the lesions they observed, which are much like those reported in diabetic and other human beings who have died of hyperinsulinism, may have been due to the "intracellular anoxemia" known to develop in the cortical cells during hypoglycæmic shock in human beings as well as in animals. Noteworthy also in the investigation was the lack of any relationship between the number of seizures and the histopathological changes, the severity of the latter being proportionate to the number and amount of the single injections of insulin, irrespective of the convulsions produced. Weil and his colleagues therefore suggest the propriety of giving smaller doses of insulin to schizophrenic patients, to avoid the cerebral damage, and of making these doses produce the desired coma and convulsions by simultaneous injections of saline solutions or serum. The bearing of this on the Cardiazol method of treatment cannot be assessed until similar careful studies of the cerebral effects of that drug are available.

THE HICKMAN MEDAL

THIS year the Hickman medal has been awarded to Dr. I. W. Magill, senior anæsthetist to the Westminster Hospital. The medal is awarded every three years, for work on anæsthesia or directly connected with it, by the council of the Royal Society of Medicine on the recommendation of the council of the section of anæsthetics. Henry Hill Hickman, who died in 1829 at the early age of 29, is fully entitled to be regarded as a pioneer of anæsthesia, for he devoted his short professional life to experimenting on the abolition of pain by inhalation. He failed to enlist the support or sympathy of contemporary men of science or of medicine in England and France—with the notable exception of Larrey—and his name was unknown in the annals of anæsthetics until Mr. C. J. S. Thompson recalled it in 1912. The institution of a medal was due to the energy of a president of the section, Dr. Cecil Hughes.

TETANUS CONVEYED BY A CANCER REMEDY

IN the town of Orlando, Florida, there have been eleven deaths from tetanus following injections of a preparation known as ℞ or Rex. A local practitioner gave injections to thirteen patients on March 25th; some reported soreness of the arm next day, and on the 27th many became ill. By the 28th all were seriously ill with symptoms of tetanus and by the 31st seven had died. Three guinea-pigs that were injected with ℞ from the same batch also died, apparently of tetanus. This preparation is said [1] to be a variant of Ensol, for which optimistic claims were made two or three years ago [2] by its originator Dr. H. C. Connell of Kingston, Ontario. Ensol is prepared by inoculating human cancer tissue in tubes containing saline with a culture of *Bacillus histolyticus*. The tissue is digested by the enzymes secreted by this bacillus and after 4–6 days' incubation the contents of the tubes are filtered through a Berkefeld candle; the resulting fluid (ensol) is injected intravenously or intramuscularly into cancer patients with the idea that the enzymes which it contains are specifically destructive to cancer cells. There seems to be little doubt that one batch of ℞ sent out by the biochemical research foundation of the Franklin Institute of Philadelphia contained tetanus toxin, possibly because it was allowed to stand from Friday to Monday before being sterilised. It is an additional source of regret that these deaths should have been caused in using a preparation whose efficacy has never been proved.

[1] *J. Amer. med. Ass.* April 9th, 1938, p. 1183.
[2] *Lancet*, 1935, **2**, 898.

ENGLISH PSYCHIATRY THROUGH AMERICAN EYES

IT is illuminating for us to learn how various branches of English medicine strike the foreigner. It does not always follow that we amend ourselves after his censure or preen ourselves upon his eulogy; but when we have read his impressions we may show a little less of the insular complacency we are often credited with, and of the partisan standpoint that familiarity breeds in all but the most olympian. Partisan views are more common, perhaps, in the psychological branch of medicine than in any other; but insular complacency, on the other hand, is almost morbidly lacking in it. There is therefore much to interest us in an external appraisal of what we are doing in this field, particularly when it comes from the United States, the country to which English psychiatrists have in so many ways become indebted. Prof. Madison Bentley, whose acquaintance with the modern issues in this field is sufficiently attested by the book [1] he produced for the National Research Council in 1934, has recently written a brief review [2] of "the problems of mental disability in England" as he saw them during a visit last year. Abstaining from praise and blame he gives a dispassionate account of what he found in research, teaching, and general organisation; and compares these with related activities and trends in the United States. Though cautiously worded, his opinions about the present situation and the soundest lines of development emerge clearly enough from his paper. After a survey which most English psychiatrists will find informative and with which none could seriously quarrel, he points out how much is to be hoped from free interchange of researches between the fundamental sciences and psychiatry. He adds that this cannot be limited to the "biological subjects" in the narrower sense, but must cover a clearer and fuller factual description of psychological, social, and biographical factors. "Much more research here is necessary if students of the (mental) disorders are to exchange fanciful and speculative belief and doctrine for scientific principle and sound explanation."

The Commonwealth Fund has been the fairy godmother of the mental hygiene of childhood. In the annual report [3] of the Fund for 1937, after a discussion of what has happened during the last ten years in the child guidance clinics of the United States—where the most conspicuous changes have been in the direction of greater flexibility of organisation and procedure and closer relationship with medical schools, hospitals, and social agencies—the recent growth of these clinics in Great Britain

[1] Bentley, M., and Cowdry, E. V., The Problem of Mental Disorder, London, 1934. See *Lancet*, 1935, **1**, 1220.
[2] Bentley, *Amer. J. Psychol.* January, 1938, p. 1.
[3] The Commonwealth Fund. Nineteenth Annual Report of the General Director for the year ending Sept. 30th, 1937. New York. 1938.

is reviewed. The development from eighteen clinics in 1935 to forty-six in 1937 is attributed partly to the "years of careful and conservative work by the London Child Guidance Clinic as a centre for the demonstration of methods and the training of workers, the Child Guidance Council as a centre for public education, and the London School of Economics as a centre for the teaching of psychiatric social work." The report adds that the word "conservative" is used advisedly. It goes on to speak appreciatively of the painstaking help given by consultative bodies who guide organisation policy, and remarks how, thanks to the "British habit of voluntary service" the staff and work of the London Child Guidance Clinic was maintained at a high level in spite of necessary reductions in the salaried full-time staff. A new departure in preventive work, mentioned in connexion with the Child Guidance Council, is the arrangement whereby psychiatrists will attend two of the infant welfare centres in London during this year. The report also refers to the mental health course which it supports at the London School of Economics; hereby not only English and Scottish psychiatric social workers, but also some from Holland, Scandinavia, and even further afield receive their training. There is much else in the report, dealing with the widespread work of the Fund in the United States, which has a bearing on the development of mental hygiene and of medical education generally in Great Britain and in the Dominions and Colonies.

SURGICAL TREATMENT OF OVARIAN DYSFUNCTION

THE disorders of our bodies can be roughly classified as structural or functional: the former are usually delivered over to the surgeon and the latter to the physician. Of late years medicine has begun to claim ovarian diseases that were previously considered surgical, and with increasing knowledge of endocrine pathology it will doubtless claim many more. It is not surprising, however, that prolonged dysfunction should sometimes cause structural changes that would be irreversible even were function to be restored, and it is suggested that benefit may occasionally be got from excision of an ovarian cortex that has become abnormal. K. V. Bailey has described before the North of England Obstetrical and Gynæcological Society [1] an operation consisting in wedge-excision of part of the ovary with extroversion of the two parts remaining so that normal rupture of follicles can take place. In the cases he quoted there was failure of ovarian function, associated with abdominal pain, and he regards the presence of pain as the deciding factor in choosing this form of treatment, which he admits is a last resort. The condition of the affected ovaries he reports as cirrhosis of the tunica with fibrosis of the stroma, and he holds that the increase in cortical fibrous tissue prevents proper ripening and rupture of the follicles, thus causing both pain and further loss of function. The fibrosis found is not of chronic inflammatory origin, and Bailey thinks it attributable to basic pituitary deficiency. Naturally the pituitary is not affected directly by the operation, but there might possibly be an indirect benefit from breaking a vicious circle in which one disorder tends to increase another. Reycraft of Cleveland, Ohio, has performed a similar operation in five cases,[2] and like Bailey is careful to point out its limitations. The emphasis in Bailey's papers is chiefly on the restoration of function, by facilitating the approach of follicles to the surface, whereas Reycraft has more to say about the relief of pain: a cirrhotic cortex, he says, by hindering the rupture of follicles may give rise to so much tension and pain that many of these patients lose their nervous balance. Prof. Daniel Dougal of Manchester, who was present when Reycraft's paper was read before the American Association of Obstetricians, Gynecologists, and Abdominal Surgeons, expressed uncertainty whether the ovarian cortex is really thickened and was inclined to think that the improved functional activity seen after operation is merely a consequence of trauma. Nor do the reported comments of members of the Association suggest immediate enthusiasm for the method.

[1] Bailey, K. V., *J. Obstet. Gynæc.* 1937, **44**, 637; see *Lancet*, 1936, **1**, 315; 1937, **2**, 82.
[2] Reycraft, J. L., *Amer. J. Obstet. Gynec.* March, 1938, p. 505.

EPIDEMIC DISEASES IN CHINA

OUR correspondence columns this week contain an appeal for the kind of help for China that many of our readers may feel themselves able to offer. The situation in that country is appalling, and is made even worse by the renewed prospect of epidemics. Because of the war and the resultant migration of masses of refugees, the difficulties this year are likely to be greater than ever before, and we are informed that there has already been a small outbreak of cholera in the Changteh district of Southern Hunan where the disease does not ordinarily appear until May. The Chinese National Health Administration, in conjunction with the League of Nations, is making elaborate plans to cope with the risks of the immediate future. The thirteen epidemiologists appointed by the League have established posts in the southern, central, and north-western provinces, and to work in conjunction with these central posts a hundred mobile anti-epidemic units are being trained. Each is to consist of one doctor and two trained nurses, and they are to carry out an intensive health campaign. Advice will be given to local organisations about water-supply, the disposal of sewage, and the control of flies, and in dangerous areas an attempt will be made to inoculate the entire civilian population against small-pox, cholera, and typhoid. Already banners and posters are displayed in some parts of the country urging such simple measures as the boiling of drinking water. The supply of vaccines and sera for operations on so large a scale is no mean problem; the Central Government laboratories in Changsha, Hunan, are working to their utmost capacity and a new "serum factory" is being established in Kunming, Yunnan.

A REVISED lay-out for first-aid posts has been prepared by the Home Office, which renders obsolete arrangements made on the basis of A.R.P. Memorandum No. 1, 2nd ed. The chief differences, as set out in an official circular issued to local authorities on April 26th, are the reduction of floor space and the elimination of one of the three sections into which the portion allotted to each sex was to be divided. Each post is now to consist of a first-aid section for the wounded and gassed, whether or not contaminated on skin or clothing by blister gas, and a cleansing station for contaminated but unwounded persons. The reasons given for the changed plan are economy of staff and equipment, as well as substantial reduction in the last-minute adaptation likely to be required.

SPECIAL ARTICLES

NUTRITIONAL ANÆMIA

A SURVEY OF DEBILITATED CHILDREN

BY ANNE E. SOMERFORD, M.D. Manch., D.P.H.

PATHOLOGIST TO THE ROYAL MANCHESTER CHILDREN'S HOSPITAL AND THE MANCHESTER HOSPITAL FOR SKIN DISEASES

THE present article embodies the results of blood-count examinations on debilitated and probably anæmic children attending the out-patient department of the Royal Manchester Children's Hospital during a period of nine months. In all 179 children were examined and 100 were found to be anæmic.

TECHNIQUE AND STANDARDS

In each case I carried out a full blood count, including a differential leucocyte count on the child and, where the child was anæmic, on the mother also. For the purpose of this paper only the results of the red-cell count and hæmoglobin will be studied. The Haldane method was used for the determination of hæmoglobin.

Red-cell counts of four millions or less per cubic millimetre, and under 70 per cent. of hæmoglobin were considered anæmic. In each case the anæmia was of the secondary, hypochromic type.

NON-ANÆMIC CASES

I have previously pointed out that while the 100 cases of anæmia were being collected 79 children were examined who, though they were debilitated, were not anæmic. Of these children 25 had counts of between 4½ and 5 millions, and 54 had counts of over 5 million red cells. An analysis shows that there were 37 girls and 42 boys, and their ages were as follows :—

Age.	M.	F.	Total.	Age.	M.	F.	Total.
Under 1	1	1	2	7	5	3	8
1	2	2	4	8	5	2	7
2	0	1	1	9	7	4	11
3	1	0	1	10	5	6	11
4	1	5	6	11	6	1	7
5	2	5	7	12	4	3	7
6	3	1	4	13	1	2	3

M. and F. = male and female.

This shows that a debilitated child is not necessarily anæmic.

ANÆMIC CASES

Age and sex.—Of the 100 cases of anæmia 36 were girls and 64 boys, and their ages varied from 2 mths. to 13 yrs. 9 mths. The total number and sex in each age-group were as follows :—

Age.	M.	F.	Total.	Age.	M.	F.	Total.
Under 1	18	3	21	7	6	3	9
1	12	6	18	8	4	3	7
2	3	5	8	9	1	2	3
3	5	1	6	10	2	2	4
4	5	0	5	11	1	1	2
5	3	2	5	12	3	1	4
6	5	1	6	13	1	1	2

It will be noticed that anæmia among these children is much commoner (69 cases) in the first seven years of life than in the second seven years (31 cases). Also, although the numbers are small to be of much value, in the first seven years of life there were 51 males and 18 females (a proportion of 3 to 1), and in the second seven years there were 18 males and 13 females, showing an incidence of 3 males to 2 females.

Financial status.—It was very difficult to assess the true financial status of the families as the conditions under which they lived depended far more on the energy, initiative, and knowledge of purchasing powers of the mothers than on the actual income received. After careful consideration it was decided to divide families into three categories as follows :—

Class A.—Families who were badly off. These included families where the father was out of work or had died, and where the total wages were 40*s.* a week or less. There were 26 of these families and in 19 the father was unemployed.

Class B.—Families who were comparatively well off. Families in this category had an income of 50*s.* or more weekly where there was one child, with an increase of 5*s.* weekly for each additional child. There were 42 families fulfilling these conditions.

Class C.—Families of moderate means. All families whose income lay between the limits of Classes A and B were included in this division, and there were 32 families in this class.

Variations in the severity of anæmia according to the income of the family are given in Table I :—

TABLE I—SEVERITY OF ANÆMIA ACCORDING TO INCOME

(Group A = poor ; B = well off ; C = intermediate)

Group.	—	1–2 million.	2–3 million.	3–4 million.	Over 4 million.
A	Child ..	1 (4 %)	7 (25 %)	18 (71 %)	0
	Mother ..	1 (4 %)	1 (4 %)	9 (34 %)	15 (58 %)
B	Child ..	3 (7 %)	8 (20 %)	31 (73 %)	0
	Mother ..	0	1 (2½ %)	22 (54½ %)	19 (43 %)
C	Child ..	0	6 (19 %)	26 (81 %)	0
	Mother ..	0	1 (3 %)	10 (31 %)	21 (66 %)

It will be seen that 45 mothers (45 per cent.) were also suffering from some degree of anæmia. Unfortunately the numbers investigated in each class are small, but little relative difference in the percentage of anæmic mothers and children is apparent in the three classes.

TABLE II—RED-CELL COUNT IN CHILDREN AND MOTHERS

Child.	Mother.			
R.B.C. in millions.		Number.	Anæmic.	Normal.
1–2	1–2	0	0	5
	2–3	0	..	..
	3–4	0	..	..
	Over 4	5	..	..
2–3	1–2	1	7	10
	2–3	1	..	..
	3–4	5	..	..
	Over 4	10	..	..
3–4	1–2	0	38	40
	2–3	2	..	..
	3–4	36	..	..
	Over 4	40	..	..

Degree of anæmia.—On the whole the degree of anæmia was not severe, only 5 children having red-cell counts of under two million red cells. There were 16 with between two and three million and 79 with between three and four million red cells. A comparison of the severity of anæmia of the mothers and children is summarised in Table II.

Two points arise from a consideration of this Table. First, although there are only 5 in number, the most

anæmic children are not the offspring of anæmic mothers. Secondly, it is surprising that such a large percentage (45 per cent.) of the mothers are anæmic. A comparison of hæmoglobin values in mother and child was made and is shown in Table III, where

TABLE III—HÆMOGLOBIN IN CHILD AND MOTHER

Child.		Mother.								
Hb. %.	Number.	Hæmoglobin in each group.							Anæmic.	Normal.
		10	20	30	40	50	60	70		
10–20	1	0	0	0	0	0	0	1	0	1
20–30	4	0	0	0	0	1	2	1	3	1
30–40	22	0	0	0	2	4	7	9	13	9
40–50	14	0	1	1	0	2	4	6	8	6
50–60	26	0	0	0	2	3	5	16	10	16
60–70	33	0	0	1	1	0	13	18	15	18

70 per cent. on the Haldane scale represents the lowest limit of normality, and each sub-group a span of 10 per cent. on that scale. This shows that on the hæmoglobin standard there are 49 anæmic and 51 non-anæmic mothers as compared with 45 anæmic and 55 normal ones when the anæmia was based on the red-cell count.

Residential district.—The Royal Manchester Children's Hospital like many of the large northern hospitals serves a considerable area outside Manchester, hence although 78 of the anæmic children were living in Manchester or its suburbs, 22 came from nearby townships. As such a small number came from each of these outlying towns, I do not propose to analyse these cases except to point out that 2 of them lived on new housing estates. Manchester is divided into numbered postal districts, and I have assigned the children to these areas and to the suburbs.

There were 1, 1, and 2 children respectively in postal areas numbered 1, 2, and 3. These areas are situated in the centre of the city, and are largely occupied by business premises and shops; they are residential to only a small extent. Areas 5, 6, and 12—the worst areas, with 15, 14, and 8 children—are notoriously poor and congested districts, the first-named being in the region of the Ship Canal docks. There were only 3, 2, and 1 cases of anæmia in areas 7, 10, and 16, which are rather better-class and less crowded zones, and only 2 cases in number 8 which has a large Jewish population. In districts numbered 9, 11, and 15 where in the past there was much overcrowding 3, 6, and 4 cases occurred, but much has been done to alleviate overcrowding here by extensive slum clearance schemes carried out by the Manchester Corporation. There were 11 children in the suburbs of Manchester.

It is of interest to note that 18 children, including the 2 from outside the city which have already been mentioned, lived on one or other of the new housing estates, though I have no data as to the length of their residence there.

CONCLUSION

1. I think it may be stated that nutritional anæmia is much less common than a cursory glance round a children's out-patient department would lead one to suppose. Probably only about 60 per cent. of the debilitated children would prove to be anæmic.

2. I feel also that a hæmoglobin estimation is not sufficient in an investigation of this kind, and that the red-cell count is of equal value and should be included.

3. A rather surprising finding is that nutritional anæmia is by no means confined to the very poor, and in the small number that I have examined, children who were rather better off were affected to a greater extent than the poorer ones. This seems to indicate that money is either being diverted from food to clothes—for some of the better-off were very smartly dressed—or that it is being unwisely laid out in some other way. It must also be remembered that the very poor are often able to supplement nutrition from sources not at the disposal of the better-off; for example, during infancy free milk can be obtained from welfare centres and when the child reaches school age milk during school hours and a substantial mid-day meal are provided for the necessitous.

4. It is probable that among the wealthier families there is a greater use of patent foods and dried milks in preference to breast-feeding, but this is only surmise and must be the subject of later investigation.

5. The fact that 18 of the children came from new housing estates suggests expenditure on higher rents, better clothes, gardens, bus and tram fares for the wage earner, with a resultant economy in food. Thus possibly the benefit of better housing and purer air is offset by a diminution in food values. On the other hand one mother stated that her boy only became anæmic after the family had been forced to return to town in order to be nearer the father's workplace.

6. The part that overcrowding plays in the production of nutritional anæmia is hard to assess, for although overcrowded areas contained the greatest number of affected children in my series, it is very probable that the total number of children in these areas exceeds the number in a less crowded district, and also that the total number of attendances of children from these areas is large owing to the proximity of their homes to the hospital.

In conclusion, I should like to take this opportunity of thanking Dr. J. F. Wilkinson for his help and criticism, and the honorary physicians of the Royal Manchester Children's Hospital for their coöperation.

PARIS

(FROM OUR OWN CORRESPONDENT)

THE FALLING BIRTH-RATE

DISQUIETING statistics continue to be published in the press with regard to the decline, absolute and relative, in the population of France. In 1650 the population of France was 20 per cent. of that of the whole of Europe. A century later the proportion had declined to 18 per cent. In 1850 it was further down to 13·3 per cent., and in 1900 it was 9·7 per cent. At the present time the population of France represents only 8·2 per cent. of Europe's total population of 510 million. In a recent statement by the Minister of Public Health, it was pointed out that of the 1467 million francs of the public health budget, as much as 380 million is devoted to the national encouragement of large families, and this sum is brought up to 452 million, or about one-third of the total public health budget, if consideration is taken of all the credits earmarked for the natality

campaign. An impressive sum even in these days of successive devaluations; but judging by the latest vital statistics finance is only one aspect of this perplexing problem.

INCIDENCE OF CANCER IN PARIS

Monsieur Marcel Moine, the prolific statistician, reports a study of the behaviour of cancer in Paris since 1901. Taking the two five-year periods 1901–05 and 1930–34, he shows that the frequency of cancer in Paris has apparently risen in the interval by 21·1 per cent. The annual average was 109 per 100,000 inhabitants in the first period, and 132 in the second period. The figures for 1935 and 1936 show the same rising tendency. But if due account is taken of the shifting of the age-distribution of the population in favour of the higher ages, the above figures lose much of their sinister import, for between 1901 and 1931 (census years) the number of persons between the ages of forty and fifty-nine per 1000 inhabitants has risen from 241 to 280, and for persons over sixty, from 80 to 102. And when the same age-groups are compared, it would even seem that between the ages of twenty and fifty-nine there has been a fall instead of a rise in the cancer rate. It is only after the age of sixty that the cancer rate has risen between 1901 and 1934—a rise of 15·5 per cent. With regard to the seat of the disease, the digestive tract and peritoneal cavity head the list in frequency for women as well as for men, the latter showing a comparatively high cancer rate for the mouth and respiratory tract. The cutaneous forms of cancer are almost equally distributed between the sexes and, when the necessary corrections have been made, the male cancer rate is 9·1 per cent. higher than the female cancer rate at all ages though, if account is taken only of the ages thirty to forty-nine, the female cancer rate is the higher of the two.

THE OVERWORKED SCHOLAR

The important place given to the overworked scholar in the Hygiene Congress in Paris last autumn might be taken as a hopeful sign of the times were it not for a historical survey of this subject by Dr. Clément Launay who shows in the *Mouvement Sanitaire* (No. 166) that the unequal contest between the doctor and the schoolmaster is a very old one and has hitherto ended in favour of the latter and his passion for the scholastic endowment of his pupils at all costs. Rabelais was an unsuccessful pioneer in this field, and Montaigne and Rousseau also put their hands to this plough without cutting very deep. In 1886 and 1887 the French Academy of Medicine devoted half a score of meetings to the same subject, and the resolutions it adopted on behalf of the overworked scholar were treated as pious wishes to be denied all executive expression. Since then protests by the medical profession have not ceased, and in 1929 the Comité National de l'Enfance conducted a full-dress inquiry under the direction of Prof. Nobécourt. In the same year the Academy of Medicine appointed a commission to investigate the matter, and its report formed the basis of resolutions voted by the Academy. They recommended more time to scholars for games and physical exercises at the expense of the educational curriculum. Since 1929 medical opinion has stiffened still further in favour of a healthier scholastic routine, but whenever the doctor and schoolmaster have met over this difficulty, they have done so to disagree. As long as the latter thinks only in terms of examinations and marks, it looks as if he will continue to have his own way.

AUSTRALASIA

(FROM OUR OWN CORRESPONDENT)

MEDICAL RESEARCH

THE Medical Research Endowment Act, passed by the Commonwealth Government last July, provides an annual endowment for medical research in Australia, and as a first contribution the sum of £30,000 was placed on the estimates for 1937. At its last meeting the National Health and Medical Research Council approved of assistance to university departments, to independent institutes, and to about ten young research workers. It also made possible the initiation of research into puerperal morbidity, streptococci, poliomyelitis, rheumatism, and tuberculosis. Dealing with maternal morbidity and mortality, the Council recommended that in every State there should be a mobile blood transfusion unit, a group of consultants who would be available immediately on call, an efficient antenatal system, and a consultative committee who would investigate every maternal death within practicable range of the metropolis. It is proposed that the Commonwealth Government should make payment of maternity allowance conditional upon the production of a certificate to show that medical advice has been sought at least three months before delivery, and the Council urged that hospital accommodation be increased so that it shall never be necessary to discharge any woman before the eleventh day after childbirth.

CONTROL OF BIOLOGICAL PRODUCTS

Standards laid down by the League of Nations form the basis of legislation embodied in the Therapeutic Substances Act, 1937, introduced by the Commonwealth Government. A therapeutic substance is defined as one which is "wholly or in part derived from microscopic organisms, or from living cellular tissues, or from glands removed from animals after slaughter," and no control is exercised over such more strictly chemical substances as the arsenobenzols, digitalis, and strophanthus.

Previous to this legislation the definition of therapeutic units was not uniform in Australia. Three States recognised the units adopted by the Hygienic Laboratory of Washington, U.S.A., and two States had not adopted any standard. The Act now standardises the definition of therapeutic units throughout Australia. The Commonwealth Serum Laboratories have been recognised as the Australian depôt for the international prototypes, and is the only Australian source of therapeutic sera. Sera of other sources are imported but have to contend against high tariffs. The Commonwealth Serum Laboratories have served very well the demands of such products in Australia and New Zealand.

INTERNATIONAL AIR SERVICES

In August, 1937, the flight of Mrs. Earhart Putman, before its tragic ending, linked Australia and New Guinea directly with the yellow fever areas of tropical Africa. In December, 1937, an even more significant event was the meeting in Auckland harbour of the Imperial Airways *Centaurus* and the Pan-American Airways *Samoa Clipper*. These flying boats were pioneering the new services which will shortly touch five continents within the fortnight from Southampton to San Francisco. These services will definitely end that isolation, in time and space, which formerly protected Australia, New Zealand, and the Pacific

Islands against the importation of disease from overseas. It is reported that the new New Zealand-United States service will provide for a fortnightly carriage of mails, express freight and passengers, taking three and a half days to reach San Francisco, and four days to New York. The close watch maintained on conditions along air routes makes it unlikely, however, that even the most rapid advance of air traffic will outstrip the precautions that are being taken to safeguard the public health of countries en route.

IRELAND

(FROM OUR OWN CORRESPONDENT)

THE PUBLIC HEALTH

THE annual report of the Department for Local Government and Public Health for the year ended March 31st, 1937, has appeared months earlier than it was expected.

Reference is made to several regulations bearing on the administration of the Milk and Dairies Act, 1935, which were made by the Minister during the year. It is stated that the Act and the regulations provide a comprehensive code for securing effective control of the milk-supply intended for human consumption. The duty of ensuring the purity and cleanliness of the milk-supply is imposed on the local sanitary authorities, and this local administration, though unavoidable, is the weak point, for up to the present the local authorities, with few exceptions, have shown little interest in sanitary progress.

The gradual decline in the incidence of infectious diseases recorded in previous reports did not continue during the year; the increase was due to an extensive but mild epidemic of scarlet fever, and despite the increase in incidence there was a satisfactory decrease in mortality. The number of deaths from infectious disease during the year was 1601, being less by 303 than in the previous year, and 551 below the average for the five years 1931–35. There was a considerable fall in the incidence of both typhoid and diphtheria; in the case of the former the decline is believed to be due to improved sanitation, and in the case of the latter to the campaign of immunisation which has been most effective in the urban areas. The decline in these diseases may be regarded, it is stated, as an index of the good work of the county medical officers of health. The deaths from tuberculosis were less by 290 than in the previous year. They represented a mortality-rate of 1·17 per 1000 of the population.

The problem of maternal mortality is a cause of grave concern, and no substantial reduction in the death-rate from pregnancy and childbearing has taken place in recent years. Notwithstanding the attention the subject has received there has been a gradual rise in the number of deaths from puerperal sepsis and from other accidents of pregnancy and childbirth during the past six years. In 1931 the rate was 4·30 per 1000 births, and in the successive years since it has been 4·55, 4·44, 4·68, 4·67, and 4·70. Sepsis is the chief among these causes of death. Infant mortality is also discouraging, reaching a rate of 74·15 per 1000 births in the year under review, which is the highest since 1926.

The figures given under the head of "medical charities" show that during the year the dispensary medical officers attended 848,132 cases, of which 167,299 were attended at their homes. There are 652 dispensary medical officers. During the year some improvement in the scale of salaries of dispensary medical officers was made in nine areas, the maximum scale approved by the Department being £250–£350 a year. The conditions of granting short leave of absence on urgent private affairs to dispensary medical officers were made more easy. Six officers took advantage of the regulations which permit leave of absence for purposes of study.

BUCHAREST

(FROM OUR OWN CORRESPONDENT)

A REVIEW OF FOREIGN MEDICAL DIPLOMAS

No person may practise medicine in Rumania without the authorisation of "libera practica" accorded by the Ministry of Labour, Public Health, and Social Welfare, without an announcement in the official gazette *Monitprul Official*, and the inscription of his name in a list kept by the College of Physicians. Free practice of medicine is allowed on the recommendation of the administrative commission on the basis of the following certificates: (*a*) diploma delivered or recognised by a faculty of medicine in Rumania, (*b*) certificate of Rumanian citizenship. Physicians holding medical diplomas obtained abroad and who desire to practise in Rumania are required to have their diplomas recognised through a procedure called "nostrification." This consists of two parts, (1) equivalisation, and (2) nostrification proper, and may be accomplished at any one of the three State universities in Bucharest, Jassy, and Cluj. A number of foreign candidates have been rejected by reason of insufficient or unsatisfactory documents and a certain bogus lawyer is now known to have offered his help to some of them. He had a workshop for forging false certificates of matriculation and other documents. His help was especially requisitioned by candidates who had studied at universities, where the course of studies takes only five years (as for instance in Bologna, Italy), because at the Rumanian faculty a six-year medical course is required. In such cases the gap could only be bridged by a forged document. Although it is known that only a few people availed themselves of the help of this impostor, the authorities have deemed it advisable to subject to review all diplomas obtained by means of nostrification since the enlargement of Rumania in 1919. The National Medical Association, seeing that the matter has been widely ventilated in the lay press, has supported this review in order to restore the trust of the public in medical men and to maintain professional prestige. The Minister went even further and has ordered that *all* diplomas obtained abroad are to be produced for inspection. In consequence of this order diplomas obtained, for instance, in Vienna University as long as 30 and even 40 years ago, have to be brought up. The inspection is to be carried out by a committee appointed by the Ministry of Health and consists of a judge, who is a member of the Bucharest court of appeal, as president, two physicians, one pharmacist, and one lawyer. The committee will verify and pronounce on all the documents on grounds of which medical and pharmaceutical "libera practica" was granted, and is empowered to withdraw the concession if the applicant's certificates do not justify his right to practise in Rumania. Doctors who acquired their diplomas before 1918 had to send in their original diplomas and a certified duplicate. If the diploma is not in Latin or in German an officially

recognised translation has to be annexed, and a citizenship paper. Doctors who obtained their diplomas between Jan. 1st, 1919, and Dec. 31st, 1937, had to send in the following documents: birth certificate, citizenship paper, a certificate of good conduct, matriculation certificate, medical diploma, a certificate received on equivalisation, and a copy of the official gazette in which right to practise was announced. The number of physicians whose diplomas will be inspected is about 3000.

ENDEMIC AND SPORADIC GOITRE IN RUMANIA

At a recent meeting of the Rumanian Medical Academy Prof. Danielopolu read a paper on observations made by eight physicians, including himself, and three veterinary surgeons in some regions where endemic goitre is prevalent: Sibiu, Strojinet, Bucovina, Tarnava Mare, the valley of Moldovita, and Alba. The number of cases observed amounted to about 40,000. Prof. Danielopolu drew the following conclusions: (1) Economical factors have a predisposing rôle in the incidence of this form of goitre which is brought about by an unknown determinating factor. (2) Endemic goitre does not spread unless nutrition, both qualitative and quantitative, is insufficient. In the regions studied it developed often at puberty and during pregnancy. Women appeared to be more affected than men, possibly from physiological causes and also because since they travel less they are uninterruptedly exposed to the influence of the noxious factor. In the cases observed by Danielopolu and his companions usually the right lobe of the thyroid gland was affected. The Ministry of Health contemplates the distribution of free drugs amongst the victims of endemic goitre and proposes to take measures to combat this scourge.

THE OWNERSHIP OF PHARMACIES

Up to the present there have been two kinds of pharmacies in Rumania: those licensed under a personal right and those licensed under conditions requiring the proprietor, if he is not a qualified pharmacist, to employ one, who is responsible for all that happens in the shop. The proprietor of a pharmacy licensed under personal right must be qualified and is allowed to sell his pharmacy only to another man in the profession. A newly issued enactment provides that in future all pharmacies shall actually be owned by the qualified men who run them. The reason for the introduction of this measure is the abuse of the privilege of leasing out of both types of pharmacy. Some shrewd pharmacists with capital have bought up several shops and hired them to qualified, but young, inexperienced pharmacists, and it is held that this action is to the detriment of the public.

TECHNICAL COMMITTEES APPOINTED BY THE MINISTRY OF HEALTH

The government some time ago empowered the Ministry of Health to appoint technical committees to study current public health problems and to make proposals in regard to the most urgent matters needing attention. Altogether 19 committees have been appointed to study the following, among other, problems: typhus fever; the campaign against malaria; eugenics; maternity and child welfare; insurance against tuberculosis; cancer; venereal diseases; rheumatism in various forms; malnutrition and deficiency diseases; the hygiene of dentistry with especial attention to the function of dental technicians. Committees are also being appointed to stimulate the campaign against alcoholism and trachoma, to promote the standardisation of biological products, and finally to investigate means of fostering international relations in health matters.

THE DEATH OF PROF. NANU MUSCEL

Dr. Nanu Muscel, professor of internal medicine at the University of Bucharest, who was for many years vice-president of the Medical Academy, died recently in his seventy-sixth year. He qualified in Paris in 1888, came back to private practice in Rumania, and then on the death of Prof. Kalindary two years later was appointed director of the Internal Clinic at the Coltea Hospital. Muscel was an old-style physician of charitable type, who sympathised with the sufferings of his patients and helped them financially when required. His private research work was concerned with pleurisy, neoplasms, and tuberculosis. Six months ago he deposited 800,000 lei at the Rumanian Medical Academy, the interest on the sum to be used for an annual prize for the best treatise of the year on the treatment of schizophrenia.

PANEL AND CONTRACT PRACTICE

A Double Complaint

THE wife of an insured person made a complaint against a chemist and as questions also arose between a doctor and the chemist the matter was referred by the pharmaceutical service subcommittee to the joint services subcommittee for investigation. The insured person was taken ill on Jan. 6th, when his panel doctor visited him and issued a prescription, saying that the patient should have three tablets that night and two on subsequent nights. The prescription was taken to the chemist at about 12.15 P.M. and the messenger was told to collect the tablets at 6 P.M., when the chemist said that one tablet only was to be taken, but gave no reason for this instruction. The tablets were therefore administered in accordance with the instructions given by the doctor. On Jan. 10th and again on Jan. 15th further prescriptions were taken to the chemist, and on each occasion medicine and a box containing ten tablets were handed to the complainant by a lady assistant, who made no comment with regard to dosage. The complainant was able to produce only one box, which bore no instructions and was said to have contained the tablets supplied on Jan. 15th, but she said that neither of the other boxes bore any instructions as to dosage.

The doctor said he was called to the patient between 9.30 and 10 A.M. on Jan. 6th, the patient having had a stroke earlier that morning. He ordered medicine and twenty half-grain tablets of soluble phenobarbitone. He told the wife that three tablets were to be taken that night, and two on subsequent nights, and his prescription bore instructions that either two or three tablets were to be taken at night. On Jan. 10th he prescribed another twenty tablets of the same strength, directing that two were to be taken at night. On Jan. 15th he was surprised to learn that there were only three tablets left, but he ordered another twenty and learnt subsequently that only ten were supplied. He afterwards recollected that on the afternoon or evening of Jan. 6th, in the course of a busy surgery, the chemist had inquired by telephone whether in place of half-grain tablets of soluble phenobarbitone, of which he had none in stock, he could supply one-grain tablets, and he had agreed, assuming that the chemist would

explain to the wife what had been done. The doctor pointed out that the dose of soluble phenobarbitone is given in the Extra Pharmacopœia as 1–2 grains once a day, and that his patient had received three grains on the evening of Jan. 6th and two grains each night until Jan. 20th.

The prescriptions were legibly written and bore instructions in accordance with the doctor's statement, but although he ordered two tablespoonfuls of a medicine to be taken three times a day, the directions on the bottle produced by the complainant were that one tablespoonful was to be taken when necessary. When informed of the complaint the chemist replied that being out of stock of half-grain tablets he had supplied half the number of one-grain tablets, having received the doctor's agreement to that procedure. On being notified of the hearing he gave notice of his wish to withdraw his name from the committee's list.

The committee found: (1) That on Jan. 6th tablets containing one grain were, with the consent of the doctor, dispensed in place of half-grain tablets originally ordered, but that the chemist was negligent in that he failed to label the tablets with directions as to dosage and to take reasonable steps to guard against the possibility of error. (2) That the medicine and tablets ordered on that occasion were not supplied with reasonable promptness. (3) That the tablets supplied on Jan. 10th and 15th were not dispensed in accordance with the prescriptions and that they were not labelled with directions as to dosage. (4) That the medicine ordered on Jan. 15th was not labelled in accordance with the instructions contained on the prescription. The chemist appears to have made no attempt to get a supply of the half-grain tablets, although there was a responsibility resting upon him, under his contract with the committee, to keep them in stock. The pharmaceutical service sub-committee also recommended that the chemist should be severely censured for unsatisfactory dispensing under the testing scheme, account being taken of two previous cases in which similar action had been taken. The chemist is to be given the option of undertaking not to supply drugs and appliances under the National Health Insurance Act in any part of Great Britain or Northern Ireland without the previous consent in writing of the Minister of Health. Failing this, representations will be made to the Minister that his continuance upon the list is prejudicial to the efficiency of the pharmaceutical service of the insured.

GRAINS AND SCRUPLES

Under this heading appear week by week the unfettered thoughts of doctors in various occupations. Each contributor is responsible for the section for a month; his name can be seen later in the half-yearly index

FROM A CONSULTING PHYSICIAN

V

WHAT is the origin of the popular belief in the safety and harmlessness of "herbal remedies" in spite of the fact that some of the deadliest poisons are of vegetable origin? The very name "deadly nightshade" is not reassuring; the savage poisons his arrow tips with "the hellish ourali," and a cup of hemlock silenced the wisdom of Socrates. Yet I read in a herbalist pamphlet that "the Herbs provided by benevolent Nature" help to maintain a high standard of physical health, because they are grown in the fresh air and sunshine and are therefore full of vital properties. Which should be a consoling reflection to a man in the convulsive torments of strychnine poisoning. If "benevolent Nature" placed the helpful alkaloids in plants, who put the poisonous ones there? Next we are informed that the machine age cut us off from our age-old Nature medicines. This does something less than justice to the chemists and pharmacologists who isolated the active principles from these herbs in a pure form, separated the good from the evil, and substituted precise dosage for infusions and tisanes of vague and variable strength. I fail to see why vegetable drugs are the most "natural" for animals. Surely the most natural drugs for them are those produced by their own bodies, the hormones and antitoxins. Why such products should be called filthy and herbal remedies natural is even more unintelligible to me than Bunthorne's alleged passion for "a vegetable love." It may be said that it is a survival of a belief in good magic, while witches made the "gruel thick and slab" with he evil magic of

> "Eye of newt and toe of frog
> Wool of bat and tongue of dog
> Adder's fork and blindworm's sting"

and other even less agreeable animal ingredients. It is certainly an irrational survival. How interesting it would be to have a modern version of Sir Thomas Browne's "Enquiries into Vulgar and Common Errors." For though we should be less inclined than he to regard Satan as the invisible Agent and secret promoter who plays in the dark without us, we should cordially agree that the seed of error is within ourselves. The exogenous cause has vanished from our thoughts, the endogenous cause remains. But a modern Sir Thomas certainly ought not to delete from the original version a sentence of really topical importance: "Physitians (many at least that make profession thereof) besides divers less discoverable wayes of fraud, have made believe, there is the book of fate, or the power of Aaron's brest plate, in Urins." For I am convinced that one of the "less discoverable wayes of fraud" which is becoming a positive danger at the present time is a bogus biochemistry. The herbalist is an exogenous cause of error, but this type of biochemistry is an error usually endogenous to the profession. Sheets of analytical data are showered on to the patient, the meaning of which neither he nor indeed anyone else knows. They may look impressive, but they convey an idea of scientific accuracy which is entirely illusory. Still worse is the tendency to append a report giving elaborate diagnostic and prognostic conclusions, although the writer has never seen the patient, and in some cases is not even a medical man. It throws discredit upon a useful and growing science; it is not even a new trick, as this evidence shows:—

> Falstaff: "Sirrah you giant, what says the doctor to my water?"
>
> Page: "He said, Sir, the water was a good healthy water; but for the party that owed it, he might have more diseases than he knew for."

* * *

I distrust all quasi-medical slogans, whether "herbs are Nature's remedy," "like cures like," "pain is a false claim," or "the osteopathic lesion." Incidentally they are mutually exclusive. To me they indicate

a pathetic craving for certainty in this uncertain world. It is not without significance that such cults have increased just when science has become less dogmatic. I have been comparing Carl Snyder's "New Conceptions in Science" published in 1903 with J. W. Sullivan's "Limitations of Science" published in 1933. The cocksure materialism of the earlier work is completely lacking in the later one. The Victorian period found scientific sanction in Darwin's enunciation of the evolutionary principle for believing that its rapid progress would continue. Materialism became the fashion. It is curious that with the evaporation of this idea from scientific thought there should be in the world of affairs such a renewed belief in the fallacy of force. Violence is preferred to reason. In the early days of this century, woman, who is traditionally accredited with superior intuition, sensed that this change was coming and realised that the suffrage which had been denied to reason would be granted to violence. Sir Thomas Houston has given an interesting medical illustration of the "need for violent action when in distress." He says "the pride of personality is so strong that many patients would prefer to submit to a dozen surgical operations rather than concede that their troubles are due to a deformity of personality." Every medical man knows how difficult it is for patients to accept the idea that their ill health is due to a conflict between their own ego and the environment. Somehow or other, belief in a slogan which proclaims a panacea pleases and comforts the disgruntled ego.

The political parallel unfortunately needs no stressing; it is only too obvious. Opposing slogans are shouted on every side, and the distress aroused by recent political events produced an outcry for violent action without clear conception what form that action should take or what its consequences would be.

* * *

It is, I think, helpful to look at life in general from the special angle provided by our training, for in truth medicine can touch life at every point. Helpful not only to ourselves, but to the community if we can interpret thereby some of the symptoms of the "general malaise" so prevalent to-day. It has been truly said of a distinguished physician who recently passed away that "beneath his interest in the foibles and weakness of his fellows there lay, not a feeling of superiority or scorn, but a kindly pitying tolerance and a great humour." Indeed if our profession does not teach us tolerance and humour we have practised it in vain. The recognition of the close correlation between the psychological and physical aspects of disease has, I think, encouraged an earlier development of insight into the mental distresses which produce physical symptoms. I do not think it is likely that when I started the study of medicine a junior physician could have written such a paper as that on "The Suburban Neurosis" which appeared recently in THE LANCET[1] from the pen of Dr. Stephen Taylor. To me that paper was full of encouragement for the future of our profession. I was sorry to see that it evoked so illiberal a response the next week from a still more recent recruit to the profession who apparently thinks that neurosis will be non-existent in a class-less society and thus believes in violence as a remedy. But indeed we can see evidence of the advance of medicine in every direction, an advance which is so rapid as to leave some of us seniors rather breathless in the attempt to keep pace with it. I once heard Bishop Paget say of his father's attitude towards Listerian antisepsis that like Moses on Mount Pisgah he saw the Promised Land but knew that he could not enter therein. That was finely said; it is sometimes well to realise as life goes on that we must leave things to younger men to accomplish. We may see a new truth but be too set in our ways to ensue it. It is well to be able to say "The life to which I belong uses me, and will pass beyond me and I am content."

*** *This concludes the five articles by A Consulting Physician. Next month "Silver Doctor" will be responsible for these columns.*—ED. L.

PUBLIC HEALTH

THE NEW MILK BILL

THE Government has announced that the new Milk Bill will be introduced shortly and it is anticipated that the proposals will be before the House of Commons before Whitsuntide. While the contents of the Bill are as yet undisclosed they will presumably follow the lines of the white-paper (Cmd. 5533) issued last July. As therein indicated the proposals fall into four groups. In the first group are included certain trade matters, including the setting up of a permanent milk commission to review milk questions, but not to manage the trade, and some undefined suggestions concerning the better organisation of the distributive service. Except in so far as they may lead to cheaper milk they are not of special interest to the medical profession. Another proposal is to continue the provision of cheap milk for school-children and to extend the scheme to expectant and nursing mothers and to children under school age. The importance of cheap milk for these people needs no emphasis and probably no opposition will be made to these proposals in the Bill.

A third group of proposals is to increase the present bonuses paid for milk of accredited standard and milk from tuberculin-tested herds and milk from attested herds. The medical profession is deeply interested in the provision of more milk from herds certified free from tuberculosis, such as is provided by the last two groups, and will welcome the increased bonus which should stimulate production. As regards accredited milk this is merely clean but not safe milk, since the risks of disease transmission through such milk are very little reduced. Clean milk is very desirable but all milk should be of this standard and it is open to serious doubt whether the present bonus system is the best way to secure it. The report of the League of Nations Health Organisation committee[2] recommends that milk for *consumption* should not be graded. The best milk available should be directed to the liquid market and only this milk should be offered to the public. There should be a system of grading for the producers' milk and payment would be on a basis of quality—i.e., fat content, cleanliness, and freedom of the herd from disease. Under such a system "accredited" milk would receive its higher price, but purely as a trade adjustment, and would not be offered to the public as a type of milk which suggests that it is approved for consumption as a clean, safe milk, which certainly is not the case. It is to be regretted that the

[1] See *Lancet*, March 26th, 1938, p. 759.
[2] The Milk Problem, *Bull. Hlth Org. L.o.N.* June, 1937.

present proposals continue the anomalous position as regards accredited milk.

The last group is the one of greatest interest to the medical profession. The essential paragraph in the white-paper reads :—

"The Government propose that, subject to certain conditions, any Local Authority shall be enabled to apply to the Minister of Health, or the Secretary of State for Scotland, for an Order making compulsory the efficient pasteurisation of milk sold by retail in its area. These conditions are that no such Order shall come into operation within two years after it is made, that milk from tuberculin-tested herds and sterilised milk shall be exempt from its scope and that milk retailed from dairies where the milk is derived from a single herd shall be exempt for three years from the date of operation of the Order."

In view of the frequent additions to the list of infectious disease cases spread from the use of raw milk most experts would like to see much stronger action taken, particularly in the direction of a measure of universal pasteurisation instead of by the troublesome way of local option. As things are such action is not likely to be realised for a number of years, but the proposal does represent a great advance on the present highly unsatisfactory conditions. It is to be hoped that the medical profession will unite not only to support this proposal but particularly to strive that there shall be no diminution in the scope of these very modest proposals either by an extension of the period (already too long for areas prepared to deal effectively with milk) or by including in the exemption other types of milk (which cannot be regarded as safe from the risk of conveying disease. Only a few weeks ago the Ministry of Health published[3] the report on the Wilton outbreak of gastro-enteritis conveyed by raw milk, and in his introduction Sir Arthur MacNalty writes: "Clean raw milk is not necessarily a safe milk. . . . The only practicable way to reduce the risk of such outbreaks to a minimum is by efficient pasteurisation or by some other suitable form of heat treatment, and this applies with still greater force in the case of bulked milk-supplies where the risk is commensurately increased." The facts are so unassailable that a wider measure of pasteurisation might be anticipated and certainly the provisions in the white-paper are the minimum which can be tolerated.

Croydon Water

On the recommendation of its special typhoid committee Croydon borough council has decided to adopt certain measures for safeguarding the water-supply from contamination in future. Persons engaged in connexion with wells, reservoirs, or mains, on work that might bring them into contact with water going into supply, will be required to give their complete medical history and undergo a blood test. If the results are positive a detailed examination will be made. No person who has suffered from typhoid, paratyphoid, or dysentery may be so engaged until proved by bacteriological investigation to be free from infection; and every six months any such persons who have been off sick must have further medical and bacteriological examinations. A workman must also report any sickness in his family. Every person working in a well or reservoir must have suitable protective clothing and wear boots exclusively kept for this work and disinfected as required. No water must be pumped into supply from any well while work is in progress there, nor must the water be returned to supply until it has been pumped to waste for a suitable period and its purity has been confirmed by analysis. If it is not possible to shut down the well during this work, precautions will be taken for the effective treatment of water going into supply. Possible sources of pollution of the gathering ground at Addington will be further considered.

Mr. W. C. Knill, late engineer and manager of the Northampton water undertaking, has been appointed to the post of full-time water engineer and in future he will be responsible for the quality of the supply.

[3] Report on an outbreak of Food Poisoning due to Salmonella type "Dublin" and conveyed by Raw Milk. *Rep. publ. Hlth med. Subj., Lond.* No. 82.

INFECTIOUS DISEASE

IN ENGLAND AND WALES DURING THE WEEK ENDED APRIL 16TH, 1938

Notifications.—The following cases of infectious disease were notified during the week: Small-pox, 0; scarlet fever, 1841; diphtheria, 1056; enteric fever, 29 (25 "expected"); pneumonia (primary or influenzal), 847; puerperal fever, 160; cerebro-spinal fever, 30; acute poliomyelitis, 3; acute polio-encephalitis, 0; encephalitis lethargica, 5; dysentery, 76; ophthalmia neonatorum, 80. No case of cholera, plague, or typhus fever was notified during the week.

The number of cases in the Infectious Hospitals of the London County Council on April 22nd was 5351, which included: Scarlet fever, 802; diphtheria, 1140 (carriers 50); measles, 2123; whooping-cough, 279; puerperal fever, 14 mothers (plus 8 babies); encephalitis lethargica, 282; poliomyelitis, 1. At St. Margaret's Hospital there were 24 babies (plus 11 mothers) with ophthalmia neonatorum.

Deaths.—In 126 great towns,* including London, there was no death from small-pox or enteric fever, 54 (14) from measles, 6 (0) from scarlet fever, 21 (2) from whooping-cough, 29 (2) from diphtheria, 37 (10) from diarrhœa and enteritis under two years, and 52 (4) from influenza. The figures in parentheses are those for London itself.

Birkenhead reported the only death from typhoid. Measles was fatal in 28 great towns, Manchester and West Hartlepool each having 4 deaths. Birmingham reported 3 deaths from whooping-cough. Diphtheria was fatal in 17 great towns; Liverpool reported 5 deaths, Sheffield and Wigan each 3.

The number of stillbirths notified during the week was 258 (corresponding to a rate of 42 per 1000 total births), including 51 in London.

THE LANCET 100 YEARS AGO

April 28th, 1838, p. 143.

From an article on the mortality and sickness of soldiers engaged in war, by T. R. Edmonds, Esq.

. . . Few people appear to be acquainted with the fact, that in a long campaign the deaths through fatigue, insufficient nourishment, and exposure to cold, are much more numerous than the deaths caused by battle. Another important fact, not generally known, is, that in a long campaign one fourth part of the army is, at most times, disabled by sickness and unfit for duty. . . . During the last 41 months of the peninsular war, the proportion of captains and subalterns killed was at the rate of 4·9 per cent. per annum. The proportion of privates killed in the same period was at the rate of 3·2 per cent. per annum. By adding one third part to these numbers for dead of wounds, we shall have the total annual mortality from battle,—6·6 per cent. for officers, and 4·2 per cent. for privates. Since the deaths of captains and subalterns, from all causes, during the same period, was 10·3 per cent. per annum, and since the deaths of privates, from all causes, was at the rate of 16·1 per cent. per annum, it follows that the annual mortality from all causes except battle was—3·7 per cent. for captains and subalterns, and 11·9 per cent. for private soldiers. . . . That an English army of 61,511 men, during a period of three years and five months, should have had 13,815 men, or 22½ per cent. constantly sick, and that no inquiry should have been instituted as to the causes of the sickness, is a serious national reproach.

* Owing to a change of boundary on April 1st Keighley M.B. has entered the list of great towns. Its population is not yet available.

CORRESPONDENCE

HELP FOR CHINA

To the Editor of THE LANCET

SIR,—It is difficult, if not impossible, for people in this country to realise the extent and severity of the destitution and physical suffering of many thousands of the Chinese resulting from the present hostilities. Recent events in Europe, together with the remoteness of China, have also distracted attention from the catastrophe in the Far East.

During the last five months we have received the most urgent appeals for help, and have brought them to the attention of the excellent organisations that are doing everything possible to mitigate the distress in the provinces of China where suffering is greatest. The answer has invariably been the same: "Every penny that comes in is pledged in advance to support the relief schemes already in operation—we cannot consider any new commitments."

A letter dated Feb. 7th, 1938, coming from Dr. C. Y. Wu, director of the Chinese Red Cross, Hong-Kong Bureau, contains the following passage:

"We are still urgently in need of the more valuable supplies, such as surgical instruments, sera, adrenaline, calomel, coramine, ferrous carbonate 0·3 g., ferri et ammon. citrat., rubber gloves, Thomas splints, oil cloth, gauze and gauze bandages 6 in. by 5 yds., autoclaves, anæsthetic masks, kerosene burners, instrument sterilisers, rubber tourniquets and tubing, &c. Funds are also urgently needed to finance our field mobile units. Each unit consists of 5 surgeons and 15 dressers, nurses, and orderlies. We now have 35 such units operating at the various fronts and it requires a minimum of 40,000 dollars monthly to upkeep them, without counting the cost of medical and surgical equipment. 7200 dollars will support one unit for six months. I hope you can assist us in this matter."

It seems to us that this appeal should be addressed direct to the profession in this country. Here is something specific, where a small gift in money or in kind will surely be turned to account. Some may feel that whatever is collected will be no more than a drop of relief in a vast ocean of suffering. This is not the view of those who are caring for the victims of war and famine in China.

The signatories of this letter are prepared to take personal responsibility for receiving and transmitting all gifts from the medical profession to Dr. Wu in Hong-Kong, and it is our earnest hope that we shall have a great deal of work to do. The address for reception of gifts of all kinds is the China Institute, 91, Gower-street, London, W.C.1.

We are, Sir, yours faithfully,

MILLAIS CULPIN,
One-time Surgeon to Shanghai-Nanking Railway Hospital;
W. C. W. NIXON,
Late Professor of Obstetrics and Gynæcology, Hong-Kong University;
H. J. SEDDON.

April 23rd.

THE ANDROID PELVIS IN OBSTETRICS

To the Editor of THE LANCET

SIR,—We are sorry to see that in a leading article in your issue of April 9th you lend your support to a theory of variations in the female pelvis originally propounded by Caldwell and Moloy of America and accepted by some obstetricians in this country. This theory is certainly contrary to the opinion of the majority of anatomists in this country, and is certainly so far not supported by any real scientific evidence. It is not denied that some female pelves may, in some respects, bear a very close resemblance to some male pelves, but we have yet to be convinced that there is any pelvis which can be described as "a female pelvis with male characteristics" due to faulty balance of the sex hormones. The long bones of the skeleton have been subjected to the most meticulous biometrical examination, and measurements in these follow the recognised laws of frequency for each sex independently; and, bearing in mind that the coefficient of variation is greater in the case of pelvic measurements than it is in the case of the long bones, there is, in this natural variability, a quite sufficient explanation of all the varieties of shape of the female pelvis. Then, too, the form of the pelvis is determined as early as the second month of fœtal life, while the sex hormones are not present in any quantity until after puberty by which time the skeleton is sufficiently fixed to be beyond their influence. In all the literature, supporting this theory, too, we notice no reference to the subpubic angle which is by far the most pronounced sex characteristic of the pelvis.

Moreover, as a practical point, it is surely now a recognised fact that engagement of the fœtal head takes place in the transverse diameter of the pelvis, a fact which we have lately confirmed by a series of radiograms taken at the onset of labour which show transverse engagement with all varieties of shape of the brim. It seems certain, then, that the shape of the brim at any rate has very little, if any, influence on the line of presentation of the fœtus, on the line of engagement of the fœtal head, or, indeed, on the whole course of labour. This opinion is based on the radiological examination of a series of over 350 cases.

We are, Sir, yours faithfully,

CLARK NICHOLSON,
H. SANDEMAN ALLEN.

Moreton-in-Marsh District Hospital, April 23rd

THE INVENTOR OF RHEUMATISM

To the Editor of THE LANCET

SIR,—The annotation on Ballonius in your last issue seems to imply that before the publication of Dr. Ruhmann's translation of the book "De Rheumatismo" no work of the Parisian physician of the sixteenth century had been translated into a modern language. But in 1708 a number of extracts from his writings were translated into French by Dr. T. Bonet, and in 1858 Dr. Prosper Yvaren rendered, also into French, the whole of the "Epidemiorum et Ephemeridum Libri Duo." French writers on epidemiology of the nineteenth century considered this work to be of importance, especially when they were comparing the writings of Ballonius with those of Sydenham.

Ballonius was the first to describe whooping-cough as a distinct disease. It was vulgarly known in Paris in his day as *quint* or *quintane*. He was the first, so far as I know, to record a case of measles ushered in with laryngitis and a case of an infant born with the rash of measles out upon it while the mother was at the same time suffering from the disease. He also pointed out that the appearance of the rash of measles might be delayed to as late as the ninth day, an observation, however, which had probably been made by Rhazes, though Ballonius did not know that.

In the first book of the epidemics he records a case of removal of the spleen which was protruding through a wound. The patient recovered. This was the second (if not the first—there is dispute on the subject)

successful case of removal of a spleen. At the end of the account Ballonius asks—"Is the spleen, after all, so necessary?"

Ballonius's three books of "Consilia," two books of "Epidemics" and "Liber Paradigmatum" afford most interesting reading. The medical historian will get from them a good knowledge of the diseases (medical and surgical) that were prevalent in Paris in the sixteenth century; and of the methods of treatment in vogue then. They also contain several epigrammatic sayings such as the one quoted in your annotation. For an account of the life of Ballonius and of some of his writings I may refer the reader who is unable to obtain his works to papers in the *Guy's Hospital Gazette* for April, 1934, and the *Annals of Medical History* (1935, n.s. 7, 409).

I am, Sir, yours faithfully,

E. W. GOODALL.

Hemingford Abbots, Hunts, April 24th.

AN OVERCROWDED PROFESSION?

To the Editor of THE LANCET

SIR,—As one of those mentioned in your leading article who refuses so ungraciously to hand over his living to foreign refugees I should like to reply to your assertions. Firstly the definition of an overcrowded profession is surely not one in which it is impossible to obtain work but in which it is impossible to obtain work giving adequate remuneration. This may be expressed by the difficulty which members of the profession have in affording to educate their sons to the same profession. Now in the same number of THE LANCET in which your leading article appeared the L.C.C. advertise for assistant medical officers in the mental health services at £470 per annum, less £2 9s. for board, lodgings, &c. These posts are not house surgeons' posts but for those "who have held a residential position in a general hospital for six months"—i.e., presumably no longer in a student position but able to regard themselves as competent—and this magnificent salary of approximately £325 per annum is to be bestowed on those who have devoted five to six years and a thousand pounds on qualifying. I personally have known men with the M.D. and the M.R.C.P. apply for such posts. Again in the same column similar advertisements appear for assistant medical officers in various L.C.C. hospitals at £250 per annum, plus board, lodgings, &c. Do you, Sir, pretend that these medical officers are in a position to educate their sons to follow their own profession without the most terrific strain? It is true that this is the lowest position but it is not until after ten to fifteen years' work that these medical officers are likely to rise to the dizzy heights of superintendent or assistant superintendent with the magnificent salaries of £900 to £1500 per annum; but obviously all those who are junior medical officers cannot hope to gain these positions.

In the case of the general practitioner, or, indeed, the consultant, the position is not much different except that it has not the stability of institutional work. The average assistant in practice receives not more than £300 to £400 per annum, and I seem to remember that you have, in the past, published statistics suggesting that the average general practitioner does not earn more than £500 to £1000 per annum, whilst the consultant, after years of working as a registrar for next to nothing, may earn twice that, if he is lucky. To talk of £4000 per annum is therefore fantastic as far as the average is concerned.

I agree entirely that the whole thing is a matter of distribution and this was the reason of my letter. I suggested and still suggest that it would be better to send the foreign refugees to the countries with large populations and few doctors, such as India, rather than admit them to overcrowded England. Can you possibly deny the correctness of this? Although it is admitted that the possibility of their earning a large income is not so great in a poor country like India, and the Hebrew has less standing in an oriental country.

Totalitarianism is becoming fashionable. Soon it seems that Spain will become Fascist and possibly Czechoslovakia, Hungary, and other countries will follow. Is the admission of the ejected medical men from these countries into England to continue? If it is, we have a poor chance of earning the incomes I have given above, since you yourself admit that many refugee medical men are earning big incomes here because of the glamour of their foreign origin.

In conclusion may I point out that I understood that the "Medical Peace Group" (of which I have been a subscriber) was to forward the growth of peace and not to encourage the import of "foreign" competition. It is with regret that I find that I can support it no more and many of my friends are feeling the same. I am, Sir, yours faithfully,

April 24th. M.D., M.R.C.P.

HEARING-AIDS FOR DEAFNESS

To the Editor of THE LANCET

SIR,—As one who has spent the whole of his working life in the manufacture and supply of hearing-aids for the deaf may I reply to Mr. Macleod Yearsley's statement that "The permanent use of an aid slowly but surely increases the deafness, because every aid acts by collecting, carrying, and magnifying sounds." It is true that it is the function of a hearing-aid to magnify sounds to overcome the hearing loss compared with normal, but it does not follow that this makes the deafness worse. Deafness is usually progressive anyway. If Mr. Yearsley is correct then the deaf person must be made more deaf by any hearing he does, for he cannot hear unless sounds are amplified, whether by raising the voice or by artificial means. In choosing a hearing-aid for any case of deafness there are two main aspects to consider: (1) the physiological degree of deafness (e.g., as shown by an audiometer), (2) the loss of mental appreciation of sound. In practice it is generally the second that is the more important.

To consider first the physiological degree, the only basis for stating that deafness is increased by use of a hearing-aid would be a test carried out on a large number of cases of deafness against an equal number of controls, one group using hearing-aids, the other not. The hearing of each person would be tested at intervals during ten or twenty years. If many varying factors could be allowed for the test would provide the desired information, but it would I fear be making a sacrifice of the controls. Take a typical case of deafness arising through middle-ear trouble in early life and developing into an average of 60 decibels of deafness in middle age. At first the deafness was in the low and middle notes only; at middle age it is greatest above 3000 cycles per second. Where has this high note deafness come from except through many years of continuous strain? Would it not have been diminished if the strain had been relieved early on through use of a suitable hearing-aid? Why does our patient ask us to speak slowly and distinctly (even when not using the instrument), except through a loss of tone and a slowing up of the hearing process which might likewise have been avoided by early use of an instrument. This loss of mental appreciation of sound can be considered by

taking two similar cases of deafness, only one of whom has used a hearing-aid regularly. The ability to hear with a good hearing-aid is far greater in the case of the regular user. Is this not to be expected where continual practice at listening to conversation has kept the ear in an educated condition?

Now watch the progress of the person who is using an instrument for the first time after perhaps twenty or thirty years of deafness. At the commencement one has to speak slowly and clearly near to the instrument; in two or three months' time the patient hears well in general conversation; later on he ventures to the theatre and hears there for the first time since he became deaf. This is a typical case of re-education. Can it be that the hearing-aid which has re-educated the hearing can destroy it also? Take an extreme case. I supplied a valve hearing-aid eight months ago to a lady, aged 61, who had never heard speech in her life. She lip-read imperfectly and spoke with the typical voice of such a case. At first she could only distinguish between two words such as "one" and "two." She has been educated with the instrument as if she were a baby and to-day she can follow a simple conversation between two or three people. Is this not a case of creation of hearing rather than destruction?

Every day thousands of deaf-and-dumb children are being taught in schools throughout the world by means of speech amplifiers. Their progress is astonishing. They will go out into the world hearing men and women instead of being deaf and more or less dumb. The next problem is to fit them up with portable hearing-aids which will give them the same quality of reproduction as the school amplifiers which taught them. Is all this planning to be set at nought by the thought that the amplifiers which created their hearing will take it away again?

I am, Sir, yours faithfully,
A. EDWIN STEVENS, B.A. (Oxon.), B.Sc., F.Inst.P.

London, April 18th.

ENDOCRINE TREATMENT OF THE CYSTIC BREAST

To the Editor of THE LANCET

SIR,—A leading article in your issue of Feb. 5th comments on the method used by Lewis and Geschickter for the treatment of chronic mastitis, and of the early indifferent stage, common to both cystic disease and adenosis, which these workers call mastodynia or painful breast. They report success both in mastodynia and in the more advanced stage (adenosis and cystic disease) from administration of œstrogenic hormone. I did not know of their work before reading your article, but from the beginning of 1936 I have used œstrogenic hormone in mastopathies of this kind and have observed complete or partial regression in nearly all the ten patients thus treated.

I was encouraged to try this remedy by reading reports such as those of Cotte and Pallot [1] and Dahl-Iversen.[2] The attempt seemed rational because cystic disease and mastodynia are often associated with menopausal symptoms, such as scarcity and irregularity of the menstrual flow, and may be attributable to predominance of the corpus luteum hormone which (it is conjectured) remains active and is no longer controlled by œstrone. The fact that these tumour formations are pre-cancerous is no argument against an endeavour to free the breasts from abnormal stimulation. The important work of Sir Robert Muir [3] shows that the so-called carcinogenic substances—among them some hormones—do no more than influence the sensitivity of the organism to develop cancer. They provoke cancer but do not generate it; they are stimulants capable of exciting the cells, favouring in them an exaggerated vitality and proliferation; and after a long time this may end in the rebellion of the tissues, with anomalies of cellular shape and invasive character, which we call neoplastic.

Œstrone, acting as a hormonal corrective, suppresses the harmful endocrine stimuli produced by domination of the corpus luteum and is thus capable of causing regression of non-cancerous mammary tumours appearing at the menopause. Naturally it should be given in moderate doses.

I am, Sir, yours faithfully,
EDUARDO BELLO.

Lima, Peru.

*** Prof. Bello encloses a copy of the *Revista Médica Peruana* for September, 1937, including a paper by him on the subject of this letter.—ED. L.

[1] Cotte, G., and Pallot, G., *Gynéc. et Obstét.* 1936, **33**, 113.
[2] Dahl-Iversen, E., *Lyon chir.* 1935, **32**, 513.
[3] Muir, R., *Lancet*, 1936, **1**, 877.

TREATMENT OF ACTINOMYCOSIS

To the Editor of THE LANCET

SIR,—Your annotation of April 16th suggests that potassium iodide does not cure actinomycosis. However that may be, I can show two cases definitely cured by French Codex tincture of iodine (now the liquor iodi simplex B.P.).

When war broke out in 1914 a lady was left in my care aged about 40. She had a hard lump in the region of the appendix of considerable size. The diagnosis of actinomycosis had been established by operation. I put her on to French Codex tincture and in the course of about a year the lump disappeared. I last heard of her about five years ago and learnt that she still remained well.

In September, 1923, a woman aged 40 was admitted to the General Hospital, Nottingham, suffering from empyema. I was present at the operation. The surgeon remarked that the lung which he could reach with his finger was remarkably hard. Pathological examination showed actinomycotic granules in the pus and they were also present in sputum. She went out under the care of her family doctor. He treated her with the French Codex tincture and in the course of about a year she became perfectly well. I last heard of her about three years ago and she was then at work and in good health.

I have reports of two other cases, both abdominal. One was treated in 1913 with iodine and I believe cured, but I have no subsequent history. The other, admitted to hospital about 1916, had been operated on for appendicitis a year previously; there were numerous abscesses, and also small superficial abscesses which, when opened, showed actinomycotic granules and *Bacillus coli*, the two being clearly symbiotic. This patient was operated on and treated by the surgeon with B.I.P.P.; he died about two months later from bismuth poisoning, with a black line on the gums, colic, and nephritis.

I believe that for successful treatment with iodine it is necessary to give it before any serious grade of secondary infection with other organisms occurs.

I am, Sir, yours faithfully,
F. H. JACOB.

Nottingham, April 25th.

PROGESTERONE IN PRE-ECLAMPTIC TOXÆMIA

To the Editor of THE LANCET

SIR,—Judging from the brief report in your last issue (p. 947), there seems something wrong with Dr. Susan Paterson's argument. Her conclusion that eclampsia can be almost eliminated if patients with the earliest signs of pre-eclampsia are given

progesterone is not altogether satisfactory. It is supported by a comparison of 22 cases so treated with 31 treated conservatively the year before. But no reference is made to the variation in the intensity of eclampsia in different years, due to climatic differences, reflected in the seasonal variation of the disease. Prof. Dugald Baird's results with 65 cases of pre-eclampsia treated without progesterone were as good, in his opinion, as those of cases in which the agent was administered. Moreover, he thought that if the "hormone" was to be employed, it probably would be most useful at the sixth month in cases with early rise of blood pressure, and without albuminuria.

Dr. Paterson seems to believe that the hormone of the corpus luteum, when adequate, prevents pre-eclampsia, and that when it is insufficient the disease appears. How that conception fits in with the predilection of the disease for primigravidæ, and with its being for the most part a manifestation of late pregnancy, we are not told. The conception itself is based on two premises: the first is that "the health of the placenta" depends "on the health of the corpus luteum"; the second that "toxæmia" is the "direct result of the placenta being no longer healthy." Neither of these is satisfactory. The first is untrue as it stands; for the health of the placenta depends above all on the blood flow through the placental sinuses, and unless this be adequately maintained throughout the organ, all the progesterone in the world will not prevent infarct formation, or the organ becoming unhealthy. Dr. Paterson appears to assume that the blood flow through the placental sinuses, throughout the last six months of pregnancy, proceeds completely undisturbed whatever the patient be doing, whether she be working or resting, whether her abdominal muscles be weak or strong. Such an assumption is altogether unwarranted. The second premise is not consonant with the natural history of pre-eclampsia: the absence of the disease in cases presenting an "unhealthy" placenta; its occurrence in women with an apparently healthy, normal placenta; and indeed, its appearance post partum, not only after some hours of delivery of the intact placenta, but even some days after.

There is a further implication in this argument: it is that the so-called pregnancy toxæmia (pre-eclampsia) is a state sui generis, peculiar to pregnancy. But the more we look at this, the more uncertain does it become. Your readers will remember that it was the recognition of the close resemblance of patients with puerperal convulsions—the natural ending of pre-eclampsia—with anasarcous women labouring under acute Bright's disease, which led Lever to examine the urine in the former, with his immortal discovery. Since Lever's time, much water has gone under the bridges: we know now that the blood changes in the two states are identical. But if pre-eclampsia is in fact simply acute Bright's disease occurring in pregnancy, the possibility of a pathological effect of placental change being responsible for eclampsia is for ever eliminated, and the question of aberrant endocrinal activity also becomes shelved. Ablation of the ovaries, or aberrant endocrine activity—e.g., of the pituitary—in the non-pregnant is not a cause of acute Bright's disease.

Thus do we come to fundamentals. In spite of all that has been said to the contrary—the occasional absence of albumin before fits in eclampsia, and the imputed freedom from pathological change of the kidneys in some cases, to both of which replies are not lacking—the basal condition to be considered in the genesis of acute Bright's disease, whether the patient be pregnant or not, is the state of the kidney. If obstruction to the outflow of urine from the cortex by the engorged medulla explains the oliguria of pre-eclampsia—as it does of post-partum eclampsia, or the anuria induced by suddenly emptying the over-distended bladder in cases of enlarged prostate—the oliguria of acute Bright's disease in the non-pregnant is to be similarly explained. The loops of Henle, presumably, have some significance—even at the bedside! The effect of constriction of cutaneous arterioles on the engorgement of internal parts is not simply a subject of academic interest—it matters in the street—it mattered in the trenches!—and it matters to the uninitiated primigravida, unlucky enough to be advanced in pregnancy in the spring or fall of our year.

I am, Sir, yours faithfully,

Rugby, April 24th. R. H. PARAMORE

VENOUS THROMBOSIS AS A SIGN OF VISCERAL CANCER

To the Editor of THE LANCET

SIR,—Having followed the reports published in your issues of Feb. 19th and 26th and March 5th and 12th I would like to give a brief account of two cases I reported at the medical staff conference at the King's County Hospital in Brooklyn on March 29th last.

The first patient, a woman of 51, was operated upon in January, 1937, for a ruptured cyst of the left ovary that proved to be an adenocarcinoma; she developed signs of venous thromboses in the upper and lower extremities in January, 1938. These thromboses were followed directly by an acute pulmonary infarction involving the right lower chest. This in turn was followed by a cerebral insult manifested by a crossed right third nerve paralysis (Weber's syndrome). Then the patient developed venous obstruction in both lower extremities, a pulmonary infarction to the left lower chest, and signs of involvement of the blood-vessels of the spine as manifested by signs referable to a right lower motor neuron lesion. This in turn was followed by thrombosis of the deep veins of the right lower extremity and finally another cerebral insult at which time the patient lapsed into coma and ultimately made an exitus.

It is interesting to note that in this case pelvic examination did not reveal any evidences of recurrence of the original malignancy or other abnormal findings until about a fortnight before death. The uterus, which was normal in size and fully movable and whose surface was covered with many smooth nodules, became markedly enlarged. At no time was there any ascites or other manifestation of local or metastatic spread. The platelet count was increased to 380,000.

The second case was that of a 50-year-old female who had thrombosis of the popliteal veins manifested by swelling of the right leg, and subsequently developed a pulmonary infarct and a cerebral insult at which time she lapsed into coma and died. This woman had an enlarged nodular liver and the clinical diagnosis was carcinoma of the liver, probably secondary. X ray studies of the stomach and duodenum were normal. This patient died before a thorough examination could be made, and necropsy was not obtained.

These cases show that Trousseau's observations are not to be confined to carcinoma of the stomach but may apply to other types of visceral carcinoma.

I am, Sir, yours faithfully,

Brooklyn, N.Y., April 2nd. GEORGE LIBERMAN.

OBITUARY

JOHN BRIGHT BANISTER, M.D. Camb., F.R.C.P. Lond., F.C.O.G.

THE widespread distress caused by the sudden death of J. Bright Banister, which occurred on a golf course on April 16th, is a measure of his forceful personality and of the range of his activities and influence. These extended far beyond the world of obstetrics, though he contributed largely to the revival of interest in the study, practice, and teaching of this subject during the last 30 years. Recently he had given an increasing amount of time to more indirect public service of various kinds and his repute was high everywhere for clear thought, persuasive speech, and that quality of good mixing that ensures the success of work done in coöperation.

Born at Blundellsands, near Liverpool, just 58 years ago, the son of Howard C. Banister, John Bright was educated at the Merchant Taylors school, Crosby, and Jesus College, Cambridge, taking the natural science tripos in 1901. He went for his clinical course to Charing Cross Hospital, qualifying L.S.A. in 1906, and after holding three resident posts at the hospital took his medical degree in 1908 and the M.D. in 1909. By this time he had already chosen his specialty, having been appointed resident medical officer to Queen Charlotte's Maternity Hospital in 1908; it is noteworthy that the subject of his M.D. thesis was premature induction of labour in cases of contracted pelvis—a subject which never lost its interest for him. He spent the next three years as pathologist and registrar to Queen Charlotte's, returning to Charing Cross as obstetric registrar and tutor, a man marked for promotion. It was not until 1924, on the retirement of Dr. T. W. Eden, that a vacancy arose, though then Bright Banister held a junior post for only two years, succeeding Dr. Cuthbert Lockyer as senior obstetric physician in 1926.

Meanwhile Bright Banister had taken every opportunity to fit himself for such responsibilities. He had taken the M.R.C.P. Lond. in 1910 and the F.R.C.S. Edin. in 1913, the year of his marriage to Jacqueline M. M. Dix; and the outbreak of war found him already well on the steps of the honorary ladder of the various other general and special hospitals to which he was to give good service on its cessation. He was already registrar, and soon to become physician, to the Chelsea Hospital for Women, physician to out-patients to Queen Charlotte's, and assistant gynæcologist to the Prince of Wales Hospital, Tottenham. He had published, jointly, a "Manual for Midwives" that was to achieve considerable success, besides some notes of unusual cases in our columns and elsewhere. He started war work as civil surgeon to a military hospital in London, but in 1915 he joined the Anglo-French Red Cross Hospital at Le Tréport and in 1917 obtained a commission in the R.A.M.C. and became surgeon-specialist to No. 17 B.G.H. in Alexandria. On demobilisation Bright Banister soon re-established himself and this was the period when he gave much of his time and energy to Queen Charlotte's. There he impressed his fellow workers, both doctors and nurses, as exceptional not only in his manipulative skill but in his judgment and clinical insight. At a time when the special voluntary hospitals were contemplating an uncertain future he showed already on committees the flair for wise constructive policy which manifested itself elsewhere in later years. His attitude to hospital patients concealed under a cheerful bearing an anxious regard for their welfare to which they unconsciously responded, and he never minded being summoned at any hour of the day or night even when no action proved to be called for. He was specially kindly and considerate to student midwives, and when he became in later life not only examiner to the Central Midwives Board but one of its members, he remembered well the difficulties of learning practical midwifery and sought to devise means of adjusting them. He was one of the team who wrote Queen Charlotte's Practice of Obstetrics, first published in 1927, contributing the section on contracted pelvis. Every year a dinner is held for past and present members of the honorary and resident staff of the hospital; over this year's gathering, held last Saturday, he was to have presided.

Bright Banister was attached not only to those hospitals already mentioned, but to many smaller ones, including the Florence Nightingale Hospital, the Northwood Memorial Hospital, the Passmore Edwards Hospital, Wood Green, and the West Norwood Maternity Home; and from everywhere one hears different aspects of the same story of an outstanding figure, in both senses (he was 6 ft. 4 in. in height), of a large-hearted man in whom were combined an unusual collection of fine qualities: rare professional competence; great dexterity; a sympathetic regard for patient and student; athletic distinction; skill in debate and in the management of men; a good business head; and an exalted sense of honour.

In later years his position at Charing Cross and as senior surgeon to the Chelsea Hospital for Women and his examinerships enabled him to influence the direction of British obstetric teaching. The influence was in the main conservative. He felt strongly the need for careful consideration before attempting to adjust misplacements of the uterus, and contributed an article on this subject to our series on Modern Technique in Treatment (Vol. II). He did not advocate or practise the lower segment Cæsarean operation. In cases of pelvic contraction he preferred induction of premature labour to the more modern method of trial labour, basing his practice on a follow-up published in 1926 of a large number of cases. He was not a prolific writer; it was in the

lecture room and on committees that he made himself felt. His post-graduate lectures at Charing Cross on strategy and tactics in obstetrics (1931) and on uterine inertia (1932) were good expositions of what the audience of practitioners came to learn, and his address (1932) to the Medico-Legal Society advocating the appointment of medical assessors to advise judges on technical points shows the increasing preoccupation with the wider aspects of sociological medicine to which Dr. J. S. Fairbairn testifies below. Not that he gave less attention to the smaller world of the Charing Cross Hospital and medical school, of which he was appointed vice-dean in 1928, becoming vice-chairman of the medical committee in 1935 and chairman only last month. That his interest in the social life of the students was sustained is shown by the fact that he presided over the Medical Society as long ago as 1912 and over the Students' Dramatic Society in 1938. His direct approach and his immediate perception of the essentials of any subject made him a crisp and effective teacher; and candidates examined by him—whether midwives, students at the Universities of Cambridge, London, or Aberdeen, or experts sitting for a higher diploma—were at once put at their ease and enabled to do their best. He achieved honour in all three branches of medicine, being elected F.R.C.P. Lond. in 1928, F.C.O.G. in 1929, and M.M.S.A. in 1937.

We learn from his contemporaries that in his youth "J. B." was a fine oar; he rowed in his college boat the year Jesus went head of the river; and his later friends knew him as a keen golfer. He delighted in arranging such cricket matches as one between a Charing Cross eleven and the village team at Tatsfield, where he had a house. His geniality indeed pervaded alike his private and his public life, for his gifts as a speaker were unusual. No matter what the occasion, how short the notice, one of his friends tells us, he could, and consistently did, produce extempore a speech balanced in phrase, appropriate in sentiment, and polished as a gem. It is not remarkable that Bright Banister, who was an enthusiastic freemason, reached the high position of Grand Deacon in the Craft.

We leave Dr. Fairbairn to comment on the debt British medicine owes to Bright Banister and endorse his view that at his untimely death Banister's influence had by no means reached its zenith. He writes: "In adding my tribute to John Bright Banister, whose death at the height of his powers and before completing his term of hospital service will be deeply deplored by his London colleagues, I would particularly stress his public spirit. Framed on big lines, broad-minded, large-hearted, with a wide outlook and a breezy and confident manner, he exercised a steadily increasing influence on both the practice and social aspects of obstetrics and gynæcology.

"His interests, which lay more towards midwifery, are indicated by the active part he took in the preparation of the Queen Charlotte's Hospital text-book, and by his consent to act as a representative of the Society of Apothecaries on the Central Midwives Board, and to serve as the Society's permanent examiner for its diploma of mastery in midwifery. He was one of the small band of British obstetricians who attended the B.M.A. meeting in Melbourne in 1935 and contributed much to its success. After it was over he paid a visit to New Zealand where he addressed meetings in several of the larger centres to appreciative audiences. His interest in and service on the council and executive committee of the British College of Obstetricians and Gynæcologists shows another gap left by his death, and here again one with his public spirit will be sorely missed.

"Banister was ever a cheery soul and the best of good company; he was out to enjoy life and work and not to look for trouble; and thus he leaves a wide circle of friends to mourn his passing."

THOMAS KAY, D.S.O., M.B., F.R.F.P.S. Glasg.

Mr. Thomas Kay, who had been living in retirement for the last nine years at Machrihanish in Argyllshire, died on April 20th in a Glasgow nursing-home. He was the son of Mr. Thomas Kay of Helensburgh and was educated at Larchfield Academy and at the universities of Glasgow and Paris. He qualified in 1893 and became assistant to Sir William Macewen at Glasgow. He served as a civil surgeon in the South African War and was mentioned in dispatches and given the Queen's medal with five clasps. On his return from South Africa he was appointed assistant surgeon to the Glasgow Royal Infirmary and later became lecturer in clinical surgery at Glasgow University. In the late war he was A.D.M.S. to the First and Forty-sixth Divisions with the rank of colonel, was mentioned in dispatches three times, and awarded the D.S.O. and Croix de Guerre. He was honorary surgeon to the King from 1927 until his retirement in 1929 and since then has done a great deal of voluntary surgical work on the peninsula of Kintyre. He married Margaret Romanes, a daughter of Dr. J. F. Fergus of Glasgow.

WILLIAM HENRY DOLAMORE, F.R.C.S. Eng., L.D.S.

Mr. Dolamore who died on April 19th in his 74th year was one of the outstanding figures in dentistry and had played a prominent part in the development of the dental profession since the war. He was educated at the Royal Dental Hospital and St. Mary's Hospital, taking the L.D.S. in 1888 and the conjoint diploma in 1892. He was elected to the staff of both hospitals and served them faithfully for many years. He was dean of the Royal Dental Hospital throughout the difficult years of the war when students were few. When the war was over and the great influx of students began the task of enlarging the resources of the school was one which called for great administrative abilities. Both school and hospital prospered under his wise rule. He had an exceptionally clear brain and a keen sense of business; in dealing with students as well as in committees with his colleagues he could command respect and gain affection. The improvement of the academic status of dentistry was an ideal very dear to his heart, and the recognition of the Royal Dental Hospital as a school of London University was largely his doing. He was an examiner in dental surgery to the Royal College of Surgeons, serving the full period of ten years. His election to the fellowship in 1933 was a recognition of his services to dentistry which gave pleasure to generations of past students.

Dolamore was keenly interested in dental politics and was prominent in the counsels of the British Dental Association for the greater part of his professional life. Before the passing of the Dentists Act, 1921, the qualified section of the profession had many difficulties to contend with. The recognition of dentistry and the part it should play in public health was tardy. In association with such men as Sir Norman Bennett and the late Robert Lindsay he did much to raise the status of the profession and to

bring about legislation which made registration compulsory. Much of this work called for delicate negotiation and was done behind the scenes. Comparatively few knew its extent and importance at the time and to-day fewer still realise how much their profession owes to the self-sacrificing work of Dolamore. He was elected president of the British Dental Association in 1915 and held this position for three years. When the Dental Board was formed Dolamore was elected to represent qualified dentists and did much useful work, especially on committees. Later his shrewd judgment led to his appointment as treasurer.

In his later years he was handicapped by increasing deafness and, though his judgment was as sound as ever, yet his disability made it difficult for him to carry out his many activities. When he ceased to be a member of the Dental Board his many friends while regretting the loss of his wise counsels felt he had richly earned the right to retirement. Few men indeed have served their profession with such loyalty and devotion. He was himself content with the reward of work well done and the esteem and affection of his colleagues.

A. J. DOUGLAS CAMERON, M.B. Aberd.

Dr. Cameron died in his sleep on April 18th at the International Clinic which he founded near Tunbridge Wells eight years ago. Born at Kintore in 1887 he qualified in 1909 at the neighbouring university of Aberdeen and after a short period of general practice at Gargrave, West Yorks, settled in Northampton, where his energy and acumen won for him a large practice of enthusiastic patients. One of these presented him with Preston Deanery Hall for use as a clinic which was transferred in 1931 to Sherwood Park, which he transformed into one of the best equipped institutions in the country. In the conduct of this clinic Dr. Cameron visualised the importance of team-work in the investigation and diagnosis of disease, especially chronic conditions of ill health. He collected around him men versed in the various ancillary sciences in addition to the usual group of consultants and specialists, and these he supplied lavishly with facilities for research and treatment. Much of the apparatus was constructed in a large workshop in the grounds of Sherwood Park. His design was to make the place the centre of a nexus of affiliated international clinics where new advances in medical science would be rapidly disseminated. In this aim he was supported by Dr. Gourliau of Paris, and at the time of his death he had already established affiliations in the majority of European countries.

"In consequence of an extremely busy life," writes one of his colleagues, "Dr. Cameron's literary output was meagre, but no one who met him in consultation could fail to be struck with his knowledge of recent work and his enthusiasm for his profession. To his own patients he was not only the beloved physician; he was the final arbiter in their physical difficulties. Just before his death Dr. Cameron had arranged for the complete reorganisation of the clinic, partly for personal reasons and partly because he wished to devote himself to the awakening of the national conscience to the importance of new conceptions in the training of youth. His friends are now taking steps to carry on the clinic as a memorial to his activities."

Mr. THOMAS EDWARD LESCHER, O.B.E., F.C.S., managing director of Messrs. Evans Sons Lescher and Webb, died in Liverpool on April 24th after a skating accident. He was the elder son of Mr. F. H. Lescher, one of the founders of the firm, and during the late war he was responsible, under the National Health Insurance Commission, for the control of the supply of drugs and chemicals to the public. Last year he was chairman of the British Pharmaceutical Conference.

PARLIAMENTARY INTELLIGENCE

THE BUDGET

ON April 26th the House of Commons reassembled after the Easter recess. Sir J. SIMON, Chancellor of the Exchequer, made his Budget statement. He stated that the estimated revenue for the coming year on the existing basis was £914,400,000. It was proposed to impose additional taxation amounting to £30,350,000, making a total of £944,750,000. The estimated expenditure was £944,398,000, leaving an estimated surplus of £352,000. The prospective deficit was due to increasing rearmament expenditure. The five-year programme announced in February, 1937, of £1,500,000,000 would now cost a great deal more. The Defence Loans Act, 1937, authorised the raising by loan towards this expenditure of £400,000,000, and of this sum £100,000,000 had already been raised. In the 1938 estimates the Government had allowed for borrowing £90,000,000. The decision to accelerate rearmament and increase munition production would involve supplementary defence estimates later in the year. These would be met from borrowed moneys. The peak year of defence expenditure had not yet been reached. Unless the international situation improved rapidly the cost of maintenance would remain high after the programme was completed and the drop from the peak expenditure might not be as rapid and steep as could be desired. The Government had reached the conclusion that looking at the programme as a whole some part of the increased cost must be met by additional taxation now. This would reduce difficulties hereafter and show the country's determination to face its task.

There would be in this Budget an increase of 6*d.* in the £ in the standard rate of income-tax with certain provisos. The wear-and-tear allowance would be increased by a further 10 per cent. The rate of tax on the first £135 of taxable income would be maintained at 1*s.* 8*d.* instead of being raised to one-third the new standard rate—viz., 1*s.* 10*d.* In regard to Schedule A, when a tenant paid tax at the standard rate on Jan. 1st and this exceeded the quarter's rent, he might postpone payment of excess till April 1st. The net produce of the increase in the standard rate, subject to the provisos, in 1938 would be £22,250,000 and in a full year £26,500,000. The tax on light hydrocarbon oils and heavy oils used for road transport would be increased from 8*d.* to 9*d.* per gallon, estimated to produce in 1938 £5,000,000. An oil duty of 9*d.* a gallon would be imposed on power alcohol which hitherto had been untaxed. The duty on all tea would be raised by 2*d.* a lb.

A number of alterations would be proposed in the existing law to prevent the avoidance of taxation by legal means (1) to prevent the manipulation of trusts and settlements for the avoidance of super-tax; (2) to strengthen the law relating to the taxation of income arising from assets transferred abroad. The question of tax avoidance would continue to be watched closely and fresh legislation would be introduced, if necessary, with retrospective effect if fresh devices were resorted to by taxpayers. Other amendments of the law would include the strengthening of

the law in regard to estate duties, and the assessment of sinking fund business of insurance companies. There would be certain minor amendments of last year's National Defence Contribution legislation in relation to allowance for losses and the deduction of annual payments in the computation of profits.

Referring to the medicine stamp duty, Sir J. Simon said that a committee of the House which considered this subject, made a valuable report last year, but it had not yet been possible to arrive at conclusions on all the complex issues involved. It was his intention that a decision should be reached before next year's Finance Bill.

QUESTION TIME

TUESDAY, APRIL 26TH

London Hospitals and A.R.P.

Colonel NATHAN asked the Home Secretary what directions had been given or were contemplated, for the information of the general and special hospitals in London, as to the measures they should take for dealing with patients and as to the functions they were desired to fulfil in the event of air-raids.—Mr. GEOFFREY LLOYD, Under-Secretary, Home Office, replied: Instruction in the methods of dealing with gas casualties is being given to the medical and nursing staffs of London hospitals as part of the Home Office scheme of medical anti-gas instructions. A handbook on the structural protection that can be arranged in hospitals for the additional safety of staff and patients will shortly be issued. As regards the last part of this question this must await the completion of the survey which is being undertaken by my right hon. friend, the Minister of Health.

Colonel NATHAN: Is the hon. gentleman aware that I have in my hand a letter from the Air Raid Precautions Department of the Home Office stating that pending the completion of the survey of hospital accommodation throughout the country, it is regretted that it is not possible definitely to allocate to individual hospitals the parts they may be called upon to play? That letter is addressed to a hospital adjacent to this House. Is this in accord with the policy of the Home Office?—Mr. LLOYD: I do not know the date of the letter.—Colonel NATHAN: The 19th of April.—Mr. LLOYD: We must have a little further information, and I do not think it will be necessary for the survey to be completed all over the country before dealing with the London hospitals.

MEDICAL NEWS

University of Oxford

In convocation on April 26th it was agreed that the honorary degree of D.Sc. should be conferred upon Dr. Harvey Cushing, emeritus professor of surgery at Harvard University. He is to receive the degree on July 16th.

Mr. G. R. Girdlestone, Nuffield professor of orthopædic surgery, has been elected to a supernumerary fellowship at New College.

Prof. A. P. Dustin, of the University of Brussels, will give two lectures on May 4th and 5th at noon. In his first lecture he will speak on the caryoclasic poisons, and in his second on the effects of the arsenical compounds and colchicine on cell division.

The George Herbert Hunt travelling scholarship for 1938 has been awarded to Dr. W. E. Gibb.

University of London

At recent examinations the following candidates were successful:—

D.P.M.

With special knowledge of mental diseases.—G. L. Ashford, Hilda M. S. Davidson, John Gibson, W. S. L. Gilchrist, Augusta G. Harrison, and S. H. Lubner.

Part A.—J. E. O. Gillespie, David Gilmour, and William Telfer.

University of Glasgow

On April 23rd the following degrees were conferred:—

M.D.—J. C. Dick, T. J. Jones, and W. T. W. Paxton (with honours); Hunter Gillies and Margaret B. MacLean (with high commendation); F. E. Crawley, William Morton, and R. H. Wiseman (with commendation); W. W. Ballardie, J. A. Carson, Alice E. Dickie, Samuel Dunn, Mary G. Gorrie, J. E. Rankine, L. G. Scoular, and William Thomson.*

* In absentia.

M.B., Ch.B.—J. F. B. Wyper, John Green, Herbert Brash, and Peter McKenzie (with commendation); John Alcorn, D. J. S. Armstrong, R. B. Bell, R. A. Blair, W. K. N. Brown, D. R. G. Buchanan, Etheldreda Cadas, Charlotte B. Clark, Rhoda M. E. Clark, Claud Cohen, W. C. Colville, James Conner, R. W. Davidson, S. L. Davidson, Barbara S. Dawson, Muriel J. W. Dobbin, R. B. Dobson, J. W. N. Duerden, Constance I. Dunbar, A. M. Gardner, J. M. W. Gibson, T. A. Goodwillie, J. S. Gordon, Margaret T. Graham, A. F. Granger, John Hammerton, M. B. Hay, A. G. Hegarty, S. B. Hendry, Alice M. Insh, W. M. Jamieson, William Johnston, Margaret Lavery, I. G. Lennox, S. B. Levy, D. C. Lillie, J. C. P. Logan, J. M. MacCormack, I. S. McCormick, Duncan MacInnes, Margaret McKay, F. Y. McKendrick, J. M. McKillop, F. C. McLaren, Matthew McLearie, J. G. McMenemy, Adaline N. Miller, J. P. Monie, A. S. Morrison, C. G. Nairn, Daniel Neville, J. A. O'Connor, Hugh Paterson, J. St. C. Polson, R. S. Rankin, W. M. Robinson, Alfred Roy, R. N. Rutherfurd, Agnes L. Scott, Thomas Semple, Chang-Yui Shu, R. N. Sinclair, Marion C. Steven, J. M. Sword, Winifred J. Symington, A. L. Taylor, A. M. Thomson, D. A. Thomson, Lazarus Tobias, Matthew Urie, H. G. J. van Bavel, D. L. Waddell, J. C. Walker, John Weir, James White, M. D. Winning, and D. W. Zahn.

Bellahouston gold medals were awarded to E. D. Cooper and D. P. Cuthbertson.

Royal College of Physicians of London

The Charles Murchison scholarship in clinical medicine will be awarded this year by the college. It is of the value of 20 guineas and candidates should send their names to the registrar of the college, Pall Mall East, London, S.W.1, not later than May 31st.

Royal Faculty of Physicians and Surgeons of Glasgow

At a meeting of the faculty on April 4th, with Dr. John Henderson, the president, in the chair, Santosh Lal Robert (India) was admitted to the fellowship.

British Empire Cancer Campaign

Applications are invited from medical men for the post of medical secretary and registrar to the clinical cancer research committee of the campaign. The successful candidate will be required to visit certain clinics in the United States. Further information will be found in our advertisement columns.

British College of Obstetricians and Gynæcologists

A meeting of the council of the college was held on April 23rd, with Sir Ewen Maclean, the president, in the chair. The following were formally admitted to the fellowship:—

Kenneth Vernon Bailey (Manchester), *William Alfred Gordon Bauld (Canada), William Ewart Barnie-Adshead (Birmingham), *James Black (South Africa), Margaret Glen Bott (Nottingham), Charles Philip Brentnall (Manchester), Robson Christie Brown (London), *Rupert Iggulden Furber and *John Sydney Green (Australia), John William Alexander Hunter (Manchester), Richard Glynn Maliphant (Cardiff), *Gerald Carlton Melhado (Canada), Harold Jordan Malkin (Nottingham), *Subodh Mitra (India), *Charles Frederick Morkane (New Zealand), Arnold Learoyd Walker, Everard Williams, and Arthur Joseph Wrigley (London), and *Herman Brookfield Van Wyck (Canada).

The following were admitted to the membership:—

Y. N. Ajinkya, *Mary C. Albuquerque, J. J. Armitage, Elinor F. E. Black, Doris B. Brown, W. D. Brown, Henry Canwarden, *W. D. Cunningham, Mary Evans, M. B. Hallam, *O. S. Heyns, *R. A. Logan, J. C. Loxton, *B. E. Meek, John Miller, *E. A. Menon, *E. B. Moore, R. W. Nichol, Susanne J. Paterson, C. G. Roworth, P. W. S. Riley, *D. F. Standing, L. M. Snaith, Dorothy M. Stewart, R. K. Tampan, R. A. Tennent, *G. A. Thompson, W. H. Tod, *C. V. Ward, Alice Woodhead, and J. C. Whyte.

* In absentia.

F. G. MacGuinness and G. J. Strean were elected to the membership.

Mr. T. N. A. Jeffcoate and Mr. R. A. Brews were appointed the first Blair-Bell memorial lecturers.

At the annual general meeting which followed Mr. Aleck Bourne, Prof. A. L. Robinson, Prof. William Gough, and Prof. James Hendry were elected to the council as representatives of the fellows, and Dr. E. A. Gerrard and Dr. W. C. Armstrong as representatives of the members.

Society of Apothecaries of London

At recent examinations the following candidates were successful :—

Surgery.—G. E. N. Bird, St. Bart's.; J. C. Gregory, Camb. and St. Bart.'s; M. W. Hemans, Oxon and St. George's; G. E. King-Turner, Guy's; F. P. S. Malone-Barrett, Westminster; F. D. P. Palmer, Middlesex; and H. A. N. Passmore, Charing Cross.

Medicine.—A. Backman, Guy's; P. Baker, Sheff.; M. Becker, Royal Colleges, Edin.; W. D. Brinton, Oxon and Guy's; N. D. Cousins and A. Dunkerley, Manch.; J. Frankenthal, Liverp.; C. C. B. Guest, Sheff.; J. S. Lancaster, Camb. and St. George's; C. L. Summersfield, Leeds; and P. A. Walshaw, Leeds and London.

Forensic Medicine.—P. Baker, Sheff.; M. Becker, Royal Colleges, Edin.; W. D. Brinton, Oxon and Guy's; N. D. Cousins and A. Dunkerley, Manch.; J. Frankenthal, Liverp.; C. C. B. Guest, Sheff.; G. E. King-Turner, Guy's; J. S. Lancaster, Camb. and St. George's; C. L. Summersfield, Leeds; and P. A. Walshaw, Leeds and London.

Midwifery.—S. K. Das and H. J. Dismorr, St. George's; T. C. Hallinan, Camb. and Charing Cross; F. H. Holder, Manch.; and R. P. Parkinson and J. A. V. Shone, London.

The following candidates, having completed the final examination, are granted the diploma of the society entitling them to practise medicine, surgery, and midwifery :—

G. E. N. Bird, W. D. Brinton, N. D. Cousins, C. C. B. Guest, T. C. Hallinan, M. W. Hemans, J. S. Lancaster, H. A. N. Passmore, and P. A. Walshaw.

Scottish Conjoint Board

At recent examinations by the board of the Royal Colleges of Physicians and of Surgeons of Edinburgh and the Royal Faculty of Physicians and Surgeons of Glasgow, the following candidates were successful :—

H. K. Abbas, Leslie Ballon, B. G. Barlow, Julius Brimberg, George Buchanan, F. G. Chung, Ruth F. Conway, John Cross, Else A. d'Amian, Desider Engel, Hildegart Fischer, W. D. Gilmour, Margot Goldschmidt, H. W. Gray, Wulf Grobin, Margaret Heller, R. L. Hill, Hermann Jacks, John Johnston, R. St. J. R. Johnston, Robert Kahane, S. J. Kopet, Isadore Kotzin, I. D. M. B. Maclurkin, Malcolm MacLean, Stephen Mayer, T. R. W. Millar, Paul Nathan, Hans Nelson, Daniel Neville, Else Paneth, Else Perls, S. L. Pollock, E. L. Rees, A. S. T. Said, C. A. Smith, H. H. Teitelbaum, Louis Toporoff, J. L. Trainer, Matthew Urie, G. C. Wainwright, and J. C. Young.

University of Aberdeen

At a meeting of the general council on April 16th the proposal to extend the medical curriculum to seventeen terms was approved in principle. The details of the draft of the new curriculum will be considered by the business committee of the council along with members of the teaching staff. The university will continue to give instruction in chemistry and physics, but there will be five academic years of study after these subjects have been passed. In the new curriculum it is proposed to rearrange the midwifery course so that the student has more time for clinical instruction.

Linacre Lecture

Sir Gowland Hopkins, O.M., F.R.S., will deliver this lecture in the lecture room of physiology at St. John's College, Cambridge, on Friday, May 6th, at 5 P.M. He will speak on biological thought and chemical thought, with a plea for unification.

University of London Medical Graduates Society

The annual dinner of this society will take place at the Langham Hotel, Portland-place, London, W., on May 10th, at 7.45 P.M., when the guest of honour will be Sir Cuthbert Wallace, president of the Royal College of Surgeons of England. Sir Charlton Briscoe, president of the society, will be in the chair. Application for tickets should be sent to the secretary of the society, 9, Hardinge-road, London, N.W.10, not later than May 7th.

Association of Surgeons in India

The organisers of the Association of Surgeons in India, Lieut.-Colonel K. G. Pandalai and Mr. C. P. V. Menon of Madras, have received encouraging support, but it has not been found practicable to hold the inaugural meeting, as was hoped, in Bombay this month, and the meeting has been postponed until Oct. 22nd. A committee of Bombay surgeons will be responsible for the local arrangements and Dr. M. D. D. Gilder, Minister for Public Health of Bombay, has agreed to preside and to deliver the inaugural address. This will be followed by discussions on ileocæcal tuberculosis and carcinoma of the tongue. The association is proposing to publish a journal of its own.

Royal Society of Tropical Medicine and Hygiene

The Manson medal has been awarded to Major-General Sir Leonard Rogers, F.R.S., and will be presented to him at the annual general meeting of the society on June 16th. The medal is awarded triennially "to the living author of such work in any branch of tropical medicine or tropical hygiene as the council may consider to be deserving of the honour."

Demonstrations of Contraceptive Technique

On Thursday, May 5th, at 2.30 P.M., a practical demonstration of the technique of the use of a variety of contraceptive methods will be given by Mrs. Marie Stopes, D.Sc., and Dr. Evelyn Fisher at the C.B.C. clinic. Medical practitioners and senior students should apply for tickets to the hon. secretary at the clinic, 108, Whitfield-street, London, W.1.

International Medical Congress for Psychotherapy

The tenth International Medical Congress for Psychotherapy will be held at Balliol College, Oxford, from July 29th to August 2nd under the presidency of Prof. C. G. Jung. The main subjects for discussion will be psychology of the phases of life; and psychotherapy and psychosomatic problems. A small exhibition is being held to cover those sides of psychotherapeutic work which can be more conveniently demonstrated in graphic form. Members of the medical profession who wish to send material should write to the hon. secretary of the congress, Dr. E. B. Strauss, 81, Harley-street, London, W.1.

The Royal Sanitary Institute

A sessional meeting of the institute will be held in the City Hall, Cardiff, on Friday, May 6th, at 5 P.M., in conjunction with the Welsh branch of the Society of Medical Officers of Health and the South Wales and Monmouthshire centre of the Sanitary Inspectors Association. Dr. D. A. Williams, deputy medical superintendent and physician at Llandough Hospital, will open a discussion on the first municipal asthma clinic, and Mr. J. A. Glover, assistant sanitary inspector for Cardiff, will speak on the place of the public health department in relation to the council housing estates.

British Empire Leprosy Association

At a meeting of this association held at the India Office in London on Tuesday last, with Lord Halifax in the chair, Major-General Sir Cuthbert Sprawson, F.R.C.P., suggested that the decline of leprosy in England in the fourteenth century was largely due to popular interest in the disease; the whole country set itself upon a leprosy campaign and attained a success surprising in view of their deficient knowledge and their lack of personal hygiene. "It is an interest of that nature," said Sir Cuthbert, "we should now try to arouse throughout the affected parts of the Empire and in the mother country." The British public could above all give money, and could send out trained and eager workers in a spirit of self-sacrifice, like those supplied by Toc H. In a leprosy campaign in the Madras Presidency he had found that the active work of the doctors was of little avail without the aid of a larger number of social workers; in the present Empire campaign the leading rôles were being filled by the workers from Toc H, but many more than those were required. In Madras even the poorest peasants were made to feel an interest, and it was necessary to foster the right kind of native public opinion in all infected countries. With leprosy, as with tuberculosis, the understanding and active coöperation of the mass of the population was essential to success.

Sir William Peel, chairman of the association, also referred to the Toc H workers who have given up their vocations at home and have gone abroad, on a bare subsistence allowance, to devote their lives to the lepers. There was a waiting-list of some 50 volunteers, but with present resources no more could be sent though they were badly needed. To train, equip, send out, and maintain a lay worker for five years cost about £1500. There were to-day at least two million lepers in the British Empire and despite all efforts very little had so far been achieved in checking this terrible scourge.

Other speakers included Sir Humphry Rolleston, Sir John Megaw, and Dr. Howard Cook.

University of Dublin

On Wednesday, May 4th, at 5 P.M., Sir Henry Dale, F.R.S., will deliver the John Mallet Purser lecture at the School of Physic, Trinity College. He will speak on chemical agents transmitting nervous excitations.

London School of Hygiene and Tropical Medicine

A special lecture describing the anti-leprosy campaign in Brazil will be given at the school to-day, Friday, April 29th, at 5 P.M., by Dr. H. C. de Souza-Araujo, secretary of the International Centre of Leprology in Rio de Janeiro. All interested are invited to attend.

British Postgraduate Medical School

The date of Prof. J. C. Drummond's lectures at the Medical School on practical aspects of modern vitamin research was incorrectly given in our last issue. He is speaking on Wednesdays at 4.30 P.M., and his first lecture will be on May 25th.

London Homœopathic Hospital

A course of Honyman Gillespie lectures will be given at this hospital on Tuesdays, at 4 P.M., from May 10th to June 28th. Further information will be found in our advertisement columns.

Indian Medical Service

The annual dinner of the Service will be held at the Trocadero Restaurant, London, on Tuesday, June 14th, at 7.15 P.M., when Major-General E. W. C. Bradfield will preside. Tickets may be had from the hon. secretary, Major Sir Thomas Carey Evans, Hammersmith Hospital, Ducane-road, London, W.12.

British Association of Radiologists

The fourth annual general meeting of this association will be held in Belfast on May 13th and 14th when Dr. R. M. Beath will be installed as president. Prof. P. Flemming Møller (Copenhagen) will address the meeting on chronic fluorine poisoning as seen from a radiological standpoint. In the section of radio-diagnosis, papers will be read by Dr. T. Garratt Hardman, Dr. J. F. Brailsford, and Dr. Peter Kerley; and in the section of radiotherapeutics, by Dr. S. Cochrane Shanks, Dr. Ralston Paterson and Miss Margaret Tod, and Dr. Robert McWhirter. Further information may be had from the secretary, 32, Welbeck-street, London, W.1.

International Red Cross Conference

The International Red Cross conference, which was to have met in Madrid this year, will be held in London from June 20th to 24th. The opening and closing sessions will take place at St. James's Palace and other meetings will be at B.M.A. House, Tavistock-square, W.C. Among the subjects for discussion is a plan, put forward at the International Congress of Military Medicine, for the creation of neutralised hospital zones in war areas. Other subjects include the work of the Red Cross during civil war, first aid on roads throughout the world, the standardisation of bandages and other medical materials, and the future of air ambulances.

Appointments

COLE, H. A., M.B. Sheff., Assistant Medical Officer at Wadsley Mental Hospital, Sheffield.

GABB, R. T., M.B. Camb., Pathological Registrar at the Royal Northern Hospital, London.

KEANE, C. A., M.R.C.S. Eng., D.P.M., Deputy Medical Superintendent at the Mental Hospital, Berry Wood, Northampton.

MACKEITH, S. A., M.R.C.S. Eng., D.P.M., Deputy Medical Adviser to the Warwickshire Mental Deficiency Acts Committee.

SMITH, W. H. M., M.B. Edin., M.Ch.Orth. Liverp., F.R.C.S. Eng., Hon. Orthopædic Surgeon to the Doncaster Royal Infirmary.

THOMPSON, ANNA V., M.B. Belf., Assistant Medical Officer of Health for York and Resident Medical Officer at York Maternity Hospital.

WEBSTER, R. C., M.D. N.U.I., Resident Assistant Medical Officer at the Isolation Hospital, Bolton.

Certifying Surgeons under the Factory and Workshop Acts: Dr. B. HOLDEN (Macclesfield District, Chester); Dr. D. MACCOLL (Killin District, Perth); Dr. R. D. JENKINS (Almondsbury District Gloucester).

Vacancies

For further information refer to the advertisement columns

Aberdeen University.—A. W. Garden Fellowship, each £200.
Accrington, Victoria Hosp.—H.S., £175.
Ashton-under-Lyne, Lake Hosp. and Darnton House Institution.—Sen. Res. M.O., £250.
Aylesbury, Royal Buckinghamshire Hosp.—Sen. and Jun. Res. M.O.'s, at rate of £200 and £150 respectively.
Barnsley, Beckett Hosp. and Dispensary.—Cas. O., £250.
Birmingham City, Mental Hosp. Dept.—Jun. Asst. M.O., £350.
Birmingham and Midland Eye Hosp.—H.S., at rate of £130.
Bolingbroke Hosp., Wandsworth Common, S.W.—H.S. and Cas. O., each at rate of £120.
Braintree, Black Notley Sanatorium.—Jun. Asst. M.O., £250.
Brighton, Royal Alexander Hosp. for Sick Children.—H.S., £120.
Bristol City and County.—2 Asst. M.O.H's., each £500.
British Empire Cancer Campaign, 11, Grosvenor-crescent, S.W.—Med. Secretary and Registrar, £500.
Bury St. Edmunds, West Suffolk General Hosp.—H.S., £180.
Caernarvonshire County Council.—Asst. County M.O.H. and School M.O., £600.
Carmarthen, Joint Counties Mental Hosp.—Sen. Asst. M.O. and Deputy Med. Supt., £500.
Charing Cross Hosp., W.C.—Hon. Clin. Asst. to Dermatological Dept.
Chester, Barroumore Tuberculosis Sanatorium, &c., Gt. Barrow.—Jun. Asst. M.O., at rate of £200.
Devon County Council, Hawkmoor Sanatorium, Bovey Tracey.—Res. Asst. M.O., at rate of £250.
Dorset County Hosp., Dorchester.—H.S., £150.
Dreadnought Hosp., Greenwich.—Physician for Out-patients.
Dublin City Skin and Cancer Hosp., Hume-street.—Deep X Ray and Radium Therapist, £700.
Dundee Mental Hosp., Westgreen.—Jun. Asst. M.O., £300.
Edgware, Redhill County Hosp.—Visiting Dermatologist, 3 guineas per session.
Hendon Borough Council.—Asst. M.O.H. and Asst. School M.O., £600.
Hosp. for Sick Children, Great Ormond-street, W.C.—Res. Asst. Physician, £200. Out-patient M.O., £150. Two Res. Med. Assts. and Clin. Pathologists, each £125. Asst. Res. Surg. O., £100. 2 Res. H.P.'s and 2 Res. H.S.'s, each at rate of £50.
Hosp. for Tropical Diseases, 25, Gordon-street, W.C.—Two Jun. Hon. Anæsthetists.
Hounslow Hosp.—Anæsthetist, 1 guinea per session.
Huddersfield County Borough.—Asst. M.O.H., £500.
Hull Royal Infirmary.—Second Cas. O., at rate of £150.
Kent County Council.—Consultant Obstetricians, from 2 guineas to 6 guineas.
King Edward Memorial Hosp., Ealing.—Ophth. Surgeon. Also 2 Hon. Anæsthetists.
Kingston-on-Thames, South Middlesex Fever Hosp.—Asst. Res. M.O., £250.
Leigh Infirmary, Lancs.—Sen. Res. Surg. O., at rate of £250.
Liverpool Heart Hosp.—H.P., at rate of £100.
London Chest Hosp., Victoria Park, E.—Med. Reg., £175. Surg. Reg. Also H.S., at rate of £100.
London County Council.—Asst. M.O., Grade I, £350. Also Asst. M.O.'s, Grade II, each £250.
London Jewish Hosp., Stepney Green, E.—Res. M.O. and H.P., each at rate of £150. Also H.S. and Cas. O., each at rate of £100.
Manchester Ancoats Hosp.—Orthopædic Registrar, £50.
Manchester Royal Eye Hosp.—Out-patient M.O., £200.
Manchester Royal Infirmary.—Chief Asst. to Surg. Unit, £250.
Manchester, Withington Hosp.—Res. Obstet. O., £350. Also Res. Surg. O. and Asst. Res. Obstet. O., each at rate of £250.
Middlesbrough Education Committee.—Asst. School M.O., £500.
Mount Vernon Hosp., Northwood.—H.S., at rate of £150.
National Hosp., Queen-square, W.C.—Registrar and Asst. Registrar, each £200.
National Temperance Hospital, Hampstead-road, N.W.—H.P. at rate of £100.
New Zealand, New Plymouth Hosp.—Res. Surgeon, £900. Also Radiologist, £850.
Nottingham City Hosp.—Res. Asst. Surg. O.'s, each at rate of £250.
Nottingham General Hosp.—Res. Cas. O., at rate of £150.
Oxford, Radcliffe Infirmary.—Surg. Reg., £400. Also H.S. for Gynæcological ward, £120.
Paddington Metropolitan Borough.—Sen. Visiting M.O. for Ante-Natal Clinic, 2 guineas a session.
Plymouth City and General Hosp.—Jun. Asst. M.O., at rate of £250.
Plymouth, Prince of Wales's Hosp., Greenbank-road.—Res. Surg. O., at rate of £225.
Portsmouth City.—Asst. M.O.H., &c., £500.
Queen Charlotte's Maternity Hosp., Marylebone-road, N.W.—Res. Anæsthetist, £100. Res. Anæsthetist and Dist. Res. M.O. at rate of £90. Also Asst. Res. M.O., at rate of £80.
Queen's Hosp. for Children, Hackney-road, E.—Cas. O., at rate of £100.
Reading, Royal Berkshire Hosp.—H.S. to Spec. Depts., at rate of £150.
Richmond, Surrey, Grove-road Institution.—Res. Asst. M.O., at rate of £250.
Rochdale Infirmary and Dispensary.—Second H.S., £150.
Royal Cancer Hosp., Fulham-road, S.W.—Two H.S.'s, each at rate of £100. Also Res. H.S. to Radium Dept.
Royal College of Physicians of London.—Charles Murchison Scholarship, 20 guineas.
Royal Free Hosp., Gray's Inn-road, W.C.—Sen. Res. M.O., £150.
Royal London Ophthalmic Hosp., City-road, E.C.—Asst. Surgeon.
Royal Naval Medical Service.—Medical Officers.

Royal Northern Hosp., Holloway, N.—Obstet. Reg., £200.
St. Bartholomew's Hosp., E.C.—Part-time Chief Asst. in X Ray Diagnostic Dept.
St. Mary's Hosp. for Women and Children, Plaistow, E.—Res. H.P., at rate of £150.
Sheffield Royal Infirmary.—Ophth. H.S., at rate of £120.
Southampton County Borough.—Temp. Asst. M.O.H. for Air-raid Precautions, £500.
Stafford County Mental Hosp.—Med. Supt., £1100.
Stafford, Prestwood Sanatorium.—Jun. Asst. M.O., at rate of £300.
Staffordshire County Council.—Second Asst. Bacteriologist and Pathologist, £700.
Staffordshire General Infirmary, Stafford.—H.P., at rate of £150.
Stirling District Mental Hosp., Larbert.—Jun. Asst. M.O., £300.
Stockport County Borough.—Asst. M.O., £600.
Stoke-on-Trent, Burslem, Haywood, and Tunstall War Memorial Hosp.—Res. H.S., at rate of £175.
Stoke-on-Trent City.—M.O. for V.D. Centre, £750.
Stoke-on-Trent, North Staffordshire Royal Infirmary.—Res. Anæsthetist, at rate of £150.
Stoke-on-Trent, Stanfield Sanatorium.—Res. M.O., £250.
Tottenham Borough.—Deputy M.O.H., £750.
Warrington Infirmary.—Part-time Radiologist, £200.
Weir Hosp., Grove-road, Balham, S.W.—Jun. Res. M.O., £150.
West London Hosp., Hammersmith-road, W.—Chief Asst. to Dept. for Chronic Rheumatic Diseases, £100. Additional Hon. Reg. for Throat, Nose, and Ear Dept. Also Hon. Clin. Asst. in X Ray (Diagnostic) Dept.

The Chief Inspector of Factories announces a vacancy for a Certifying Factory Surgeon at Kirkby Stephen (Westmorland).

Medical Diary

May 2nd to May 8th

SOCIETIES

ROYAL SOCIETY OF MEDICINE, 1, Wimpole-street, W.

TUESDAY.

Orthopædics. 5.30 P.M. (cases at 4.30 P.M.), annual general meeting. Mr. A. Rocyn Jones: (1) Spinal Compression Fracture. Mr. E. P. Brockman: (2–4) Radiographs of Three Cases of Cavities in the Body of the Astragalus. Mr. G. O. Tippett: (5) Cysts in the Carpal Scaphoid and Radial Styloid. Mr. John Bastow: (6–8) Fracture of the Upper End of the Tibia. (9) Subtrochanteric Fracture of the Tibia treated by Smith-Petersen Nail. Mr. Norman Capener: (10) Brachial Vascular Disturbance following Injury. (11) Smith-Petersen Nail; a Surgical Accident. (12) Fracture-dislocation of Ankle. (13) Spondylolisthesis. (14–15) Radiographs of Tuberculous Spines. Mr. K. H. Pridie: (16) Pathological Fracture of a Humerus. Mr. B. Whitchurch Howell: (17) Arthroplasty of the Finger.

WEDNESDAY.

History of Medicine. 5 P.M., annual general meeting. Sir StClair Thomson will show sketches by Spy of eminent Victorian physicians. Dr. J. H. Thompson: Treatise on the Effects and Various Preparations of Lead, Particularly of the Extract of Saturn, for Different Chirurgical Disorders. Prof. J. Burton Cleland: Australian Convict Doctors.

Surgery. 5.30 P.M., annual general meeting. Prof. G. Grey Turner: Non-malignant Stenosis of the Œsophagus. (Presidential address.)

FRIDAY.

Otology. 10.30 A.M. (cases at 9.30 A.M.), annual general meeting. Prof. Hugh Cairns and Mr. C. S. Hallpike: Pathology of Ménière's Syndrome. Mr. A. J. Wright: Labyrinthine Destruction in the Treatment of Vertigo.

Laryngology. 4.45 P.M., annual general meeting. Dr. G. E Hodge (Montreal): Relation of Bronchiectasis to Infection of the Paranasal Sinuses. Dr. J. Pressman (Los Angeles) will show a film on the movements of the larynx.

Anæsthetics. 8.30 P.M., annual general meeting. Dr. A. P. Cogswell, Dr. John T. Hunter, and Dr. J. Harris: clinical reports.

Neurology. Meeting in Brussels.

SATURDAY.

Neurology. Meeting in Antwerp.

WEST LONDON MEDICO-CHIRURGICAL SOCIETY.

FRIDAY.—8 P.M. (West London Hospital, Hammersmith-road, W.), clinico-pathological meeting.

BIOCHEMICAL SOCIETY.

SATURDAY.—2.45 P.M. (Department of Biochemistry, Oxford), short communications and demonstration.

LECTURES, ADDRESSES, DEMONSTRATIONS, &c.

UNIVERSITY OF LONDON.

WEDNESDAY.—5.30 P.M. (King's College, Strand, W.C.), Prof. Pol Gerard: Comparative Histophysiology of the Vertebrate Nephron.

UNIVERSITY OF DUBLIN.

WEDNESDAY.—5 P.M. (School of Physic, Trinity College), Sir Henry Dale, F.R.S.: Chemical Agents Transmitting Nervous Excitations. (John Mallet Purser lecture.)

LONDON SCHOOL OF DERMATOLOGY, 5, Lisle-street, W.C.

MONDAY.—5 P.M., Dr. M. Sydney Thomson: Animal Diseases Communicable to Man.
TUESDAY.—5 P.M., Dr. H. Corsi: Diseases of the Nails.
THURSDAY.—5 P.M., Dr. J. M. H. MacLeod: Ringworm Infections.
FRIDAY.—5 P.M., Dr. L. Forman: Alopecia.

BRITISH POSTGRADUATE MEDICAL SCHOOL, Ducane-road, W.

MONDAY.—2.30 P.M., Sir Edmund Spriggs: Diseases of Small and Large Intestine.
WEDNESDAY.—Noon, clinical and pathological conference (medical). 3 P.M. clinical and pathological conference (surgical).
THURSDAY.—2.15 P.M., Dr. Duncan White: radiological demonstration. 3.30 P.M., Miss Louisa Martindale: Radiation Therapy in Gynæcology.
FRIDAY.—2 P.M., clinical and pathological conference (obstetrics and gynæcology).
Daily, 10 A.M. to 4 P.M., medical clinics, surgical clinics and operations, obstetrical and gynæcological clinics and operations.

ST. MARY'S HOSPITAL, W.

TUESDAY.—5 P.M. (Institute of Pathology and Research), Sir Thomas Lewis, F.R.S.: Some Observations upon Ischæmic Paralysis of Nerves in Man.

NATIONAL HOSPITAL FOR DISEASES OF THE HEART, Westmoreland-street, W.

TUESDAY.—5.30 P.M., Dr. J. M. H. Campbell: Paroxysmal Tachycardia.

HOSPITAL FOR SICK CHILDREN, Great Ormond-street, W.C.

THURSDAY.—2 P.M., Mr. T. Twistington Higgins: Urinary Obstruction. 3 P.M., Dr. W. W. Payne: The Care of the Diabetic Child.
Out-patient clinics daily at 10 A.M. and ward visits at 2 P.M.

ST. GEORGE'S HOSPITAL, S.W.

THURSDAY.—5 P.M., psychiatric demonstration.

ST. JOHN CLINIC AND INSTITUTE OF PHYSICAL MEDICINE, Ranelagh-road, S.W.

FRIDAY.—4.30 P.M., Dr. Albert Eidinow: Uses of Diathermy in Surgery.

FELLOWSHIP OF MEDICINE AND POST-GRADUATE MEDICAL ASSOCIATION, 1, Wimpole-street, W.

MONDAY to SUNDAY.—MAUDSLEY HOSPITAL, Denmark-hill, S.E., afternoon course in psychological medicine.—GORDON HOSPITAL, Vauxhall Bridge-road, S.W., all-day course in proctology.—ST. JOHN'S HOSPITAL, 5, Lisle-street, W.C., afternoon course in dermatology (open to non-members).—BROMPTON HOSPITAL, S.W., Sat. and Sun. course in chest diseases.

MANCHESTER ROYAL INFIRMARY.

FRIDAY.—4.15 P.M., Dr. A. Ramsbottom: clinical demonstration.

Births, Marriages, and Deaths

BIRTHS

CURTIS.—On April 22nd, at Welbeck-street, W., the wife of Dr. Herbert Curtis—a daughter.

DAWKINS.—On April 19th, at Eton-avenue, N.W., to Dr. Sylvia Dawkins (née Ransford), the wife of Dr. C. J. Massey Dawkins—a daughter.

ELLIS.—On April 23rd, the wife of Mr. V. H. Ellis, F.R.C.S.—a daughter.

HUNT.—On April 18th, at Madras, the wife of Captain R. S. Hunt, R.A.M.C.—a daughter.

JOHNSTON.—On April 13th, at Mhow, Central India, the wife of Captain Robert Johnston, R.A.M.C.—a son.

JORDAN.—On April 16th, the wife of Dr. Hector Jordan, of Mayfield—a daughter.

LLOYD.—On April 18th, the wife of Dr. T. E. Seymour Lloyd, of Luton—a son.

SOUTHWELL-SANDER.—On April 25th, at Welbeck-street, W., the wife of Dr. G. A. Southwell-Sander—a son.

MARRIAGES

ABRAHAM—NELSON.—On April 19th, at Harpenden Parish Church, John C. G. Abraham, M.R.C.S., to Cicely Mary Nelson.

PORTER—CURTIS.—On April 21st, at Stoke Newington, David Cuthbert Porter, M.D., to Phyllis Gertrude Mary Curtis.

RAMSDEN—CLARKE.—On April 21st, 1938, at Brenchley, Walter Maurice Ramsden, M.D., M.R.C.P., to Margaret Joy Clarke.

DEATHS

BARRETT.—On April 21st, suddenly, Alfred Keppel Barrett, M.R.C.S. Eng.

BOND.—On April 23rd, at Polesworth, Warwickshire, Nathaniel Troughton Bond, M.B. Edin., aged 69.

COATS.—On April 26th, in London, Douglas Hamilton Coats, M.B. Glasg., Major R.A.M.C., of Glasgow.

CURTIN.—On April 21st, Eugene Curtin, M.D., M.Ch. R.U.I., late of Bournemouth.

DOLAMORE.—On April 19th, at Ealing, William Henry Dolamore, F.R.C.S. Eng., L.D.S., aged 74.

FEARNLEY.—On April 23rd, suddenly, at Nice, Jonathan Fearnley, M.R.C.S. Eng., aged 67.

FISHER.—On April 22nd, at Brierley Hill, Frederick Pearson Fisher, M.C., M.B. Lond.

KAY.—On April 20th, at Glasgow, Thomas Kay, D.S.O., J.P., M.B., F.R.F.P.S. Glasg., of Machrihanish, Argyll.

MONTFORD.—On April 23rd, at Upton-on-Severn, James Montford, M.R.C.S. Eng., L.R.C.P. Edin.

NOLAN.—On April 24th, at Farnham, Surrey, Chaworth Louis Nolan, M.B. Dub., Surg.-Comdr., R.N. (ret.), aged 80.

ORAM.—On April 22nd, at Wandsworth Common, Richard R. W. Oram, M.R.C.S. Eng., in his 86th year.

SCOTT.—On April 21st, at St. Albans-road, N.W., Alexander Thomas Scott, M.B.E., M.R.C.S. Eng., in his 89th year.

N.B.—A fee of 7s. 6d. is charged for the insertion of Notices of Births, Marriages, and Deaths.

NOTES, COMMENTS, AND ABSTRACTS

DOMESTIC AIR CONDITIONING

AUTOMATIC adjustment of temperature and humidity, coupled with continuous admission of fresh filtered air, is playing an increasing part in the efficiency of factories and workshops, and in the amenities of hotels and places of amusement. Messrs. Carrier Weathermakers Ltd. (27, Conduit-street, London, W.1.) have had on the market during the last eighteen months a portable apparatus for producing the same result on a smaller scale, implementing what they describe as a self-contained electrical weathermaker which can be fitted in any room of a private house or office. We have had an opportunity of examining this apparatus which is about the size of a large radio-gramophone and plugs into an existing power point. Apart from this only a small window duct or wall opening is required. It is practically silent in operation, the noise level being below that of an ordinary desk fan, and, as the system requires closed windows, the noise of outside traffic is shut out. The unit filters the incoming air of dust and smoke, warming it in winter and cooling it in summer, adjusting also the humidity within reasonable limits. At the same time it circulates the air in the room. The makers speak of resolving a foggy November afternoon or a sultry summer day into the exhilarating conditions of a fresh spring morning in the country—and unquestionably the atmosphere in the demonstration room was pleasant. Inspection of a filter due to be changed revealed a black charred appearance contrasting with the golden yellow colour of the fresh one. A water-cooled model which requires connexion with the mains has a cooling capacity of one-tenth more than the air-cooled model. The current consumed amounts to three-quarters of a unit per hour in the summer and one unit in the winter. The price of the model including installation (apart from constructive work) is 99 guineas for year-round functions or 88 guineas without provision for heating or humidifying.

In medicine the possible uses of such an air-conditioning plant are manifold. It may prove helpful to those who suffer from allergic diseases, such as asthma or hay-fever, and who are sensitive for a limited period of the year to pollens and other dusts. During severe weather it might bring some relief to the chronic bronchitic, especially one with secondary superadded bronchial spasm; the controlled atmosphere should reduce the number of attacks of broncho-pneumonia to which these patients are liable. Confinement during the bad season to such an air-conditioned room might be preferred to banishment from town at the first November fog and cost less. Since it is possible by a small addition to increase the humidity above the normal, the unit might have a further place in the early treatment of an attack of acute bronchitis. It should be useful in the nursing of chest cases after operation; not uncommonly a thoracoplasty patient is lost from intercurrent respiratory infection during a sudden fog. A further use for a thermostatic chamber would be after removal of the thyroid gland in a thyrotoxic patient in the hot season which these patients stand so badly. Such an air-conditioning plant has, we understand, been installed at Guy's and the London Chest Hospitals.

We may not have arrived, the makers admit, at the stage when every housewife is in a position to manufacture her atmosphere, and in this country at all events current medical teaching would deprecate over-protective measures in the domestic sphere. Those who have been brought up in the school of Otto Walther would aim rather at rendering the delicate chest insusceptible to things like chill and stuffiness. Nevertheless the sphere of such a portable air-conditioning plant should be wide enough without turning us into a nation of valetudinarians.

HOSPITAL LIBRARIES IN IRELAND

ON the initiative of the Library Association of Ireland a Hospital Library Council was formed last year after prolonged negotiations with the Free State Government, which agreed to make a grant of £10,000 from the funds of the Irish Hospitals Sweepstakes to cover a period of three years. An office was acquired at 49, Upper Mount-street, Dublin, with an organising librarian and an assistant. From the outset it had been maintained that the service should be controlled by trained professional librarians and, as the first salient point in its policy, the Council decided that the service to be effective must be organised on technically sound lines and follow the procedure adopted in public libraries. The first annual report of the Council to the end of 1937 shows that 7000 volumes have been purchased for the general repository under the direction of the book selection committee, of which half the members are medical men. Thirty-eight hospitals had applied by Dec. 31st for books, which are sent out in parcels according to the number of beds and may be retained indefinitely or exchanged periodically in whole or in part for a fresh supply. Books must be in the charge of a reliable person, and although at present this responsibility devolves upon voluntary helpers the Council adds that "the desirability of the larger hospitals engaging the services of persons trained in library technique to take charge of their libraries cannot be too strongly urged." The efficiency of the service is secured by the right of the Council to inspect the libraries in hospitals from time to time.

FLIES IN ITALY

THE Italian Government has started an official campaign against flies. All citizens are asked to coöperate in the work, and medals and diplomas are to be awarded to the societies and organisations that show the best results. The authorities are issuing illustrated pamphlets describing the damage done by the fly and the various measures of combating it, and children in schools are to have lessons on the subject. The districts where flies largely breed will have special attention from the local authorities, who are to impress upon the local property-owners the necessity to take action.

FIRST AID UP TO DATE

AN advanced handbook of "first aid," originally published in 1901, is now in its 187th thousand.[1] Apart from a few minor corrections, the chief change is in Chapter XIX in which 40 pages are devoted to gas poisoning in warfare. The chapter is based on the official Air-raid Precaution Handbooks and deals briefly with every aspect of gas warfare from the point of view of the trained non-medical civilian. The book is excellently produced and profusely illustrated, but would benefit by still more drastic revision of some of the advice handed on from earlier editions—e.g., "Prussic Acid . . . administer Stimulants *ad lib.*, and Emetics, if necessary by an enema."

CRYSTALLINE SECRETIN: A CORRIGENDUM.—In an annotation on April 9th (p. 851) we attributed the production of pure crystalline secretin, and of an amorphous non-toxic secretin preparation (Pancreotest), to Agren and Lagerlöf. We are informed that in the investigations described, both clinical and chemical, the initiative was taken by Prof. E. Hammarsten, to whom reference was made in a footnote. Dr. Agren has been his assistant.

[1] Warwick and Tunstall's First Aid to the Injured and Sick. Sixteenth edition. Edited by F. C. Nichols, M.C., M.B., Ch.B., L.D.S., late Captain R.A.M.C. (T.). Bristol: John Wright and Sons; London: Simpkin Marshall. 1937. Pp. 318. 2*s*. 6*d*.

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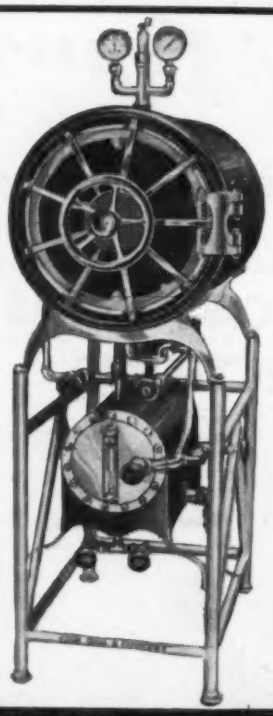

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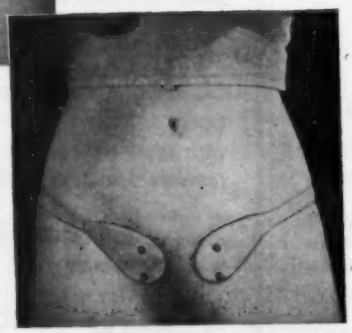

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Physicians may prefer to continue to prescribe Mandelix (Elixir of Ammonium Mandelate B.D.H.) in most cases, but for hypersensitive patients who may be unduly nauseated by Mandelix, Mandecal approximates to the ideal urinary antiseptic.

Mandecal is issued as a readily miscible powder; it is available in bottles each containing sufficient for treatment lasting seven days.

Sample and literature on request

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(Trichlorophenylmethyliodosalicyl)

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THE ORIGINAL AND STANDARD BRAND OF SYNTHETIC HYDRATED MAGNESIUM TRISILICATE

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M269

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Pancreatin, gr. 5.

One thrice daily, before meals

Equals Iodine, gr. ½.

One twice daily, between meals, on two or three days each week

For full particulars see B.M.J., Oct. 2nd, 1937, p. 660.

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FOR GENERAL and LOCAL ANÆSTHESIA
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"Better than Chemical Food"

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a Thyroid-inhibitory Substance
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effective by oral administration, without addition of any medicinal agent, for conservative treatment of
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England:
In Menorrhagia,
Med. Press & Circ., No. 4490.

Norway:
During Pregnancy and Lactation,
Norsk. Mag. Laegevidensk., 90, p. 1245.

U.S.A.:
Ca-retention,
Clin. Med. & Surg., 35, No. 10.

Austria:
In Cardiac Neurosis,
Wien. Med. Wschr., 74, No. 4

Germany:
Optimal Calcium Utilization,
Zschr. Gesamte Exper. Med., 100, No, 3, 1937.

Denmark:
In Constitutional Dermatitis,
Ugeskr. f. Laeger, 91, No. 10.

Kalzana is dispensed by chemists in packages containing 50 and 100 plain tablets. Also supplied direct from us for your own dispensing at 15/- per 1,000 (plain tablets). In powder form at 7/- per lb. (These prices do not apply in Eire.)

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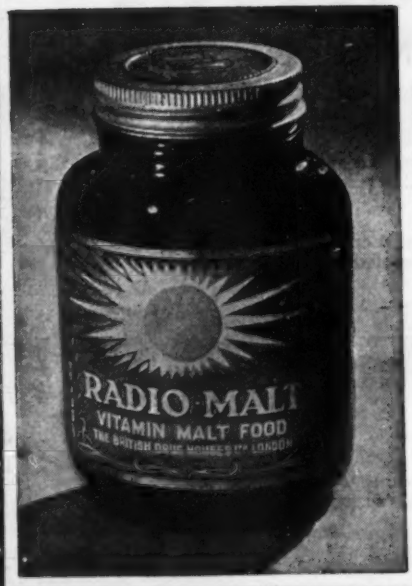

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Liquor Pancreaticus Benger is an active solution of the digestive principles of the Pancreas; a really efficient agent for the digestion of milk, gruel and farinaceous or partly farinaceous foods. Odourless and tasteless. In 4, 8 and 16-oz. bottles. Prices: 3/-, 5/6 and 10/6.

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M.377b

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HEPATEX WITH IRON

A combination of Hepatex Liver Extract
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Recommended when powerful stimulation of the blood regenerating organs is desirable.

Hepatex with Iron is of great value in the anæmias of pregnancy and those which may follow either acute or chronic hæmorrhage.

One fluid drachm contains the hæmopoietic principles of two ounces of fresh liver with one grain of iron.

DOSE: One or two teaspoonfuls per day will be found sufficient in the majority of cases.

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Bottles of 40 × 1/600 Gr. 2s. 10d.*
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In Hyperpiesia, the peripheral resistance is too great, and despite the high blood-pressure, too small a current of utilisable blood flows through to the tissues. Pharmacological and clinical evidence proves that 'Phyllosan' brand of chlorophyll tablets "steps-down" the blood pressure, *opens up the meshes of the arteriolar grid* by dilating the blood vessels, while maintaining the force of the principal power-station of the circulation—the cardiac pump.

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A PAMPHLET★

Hyperpiesia, Metabolic Disorders and the Anaemias

Recent Advances in Medical Practice

A review of the experimental and clinical evidence for the use of

'PHYLLOSAN'

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in Modern Therapeutics

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ENTERIC FEVER: By adding 'Sanatogen' to boiled and cooled milk the author found, in the dietetic treatment of typhoid (enteric) fever, that digestion and assimilation were easily accomplished, positive evidence being furnished by the steady improvement of his patients.

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A COMBINATION of all of the active derivatives of the pancreas which control carbohydrate metabolism together with the specific proteins necessary for regeneration of the pancreatic tissues.

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SPECIAL CHOCOLATE

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Cod Liver Oil well deserves its high reputation as a health-builder. For it contains nature's vital Vitamins A and D in their right proportion. It is the liver oil specifically named by the Ministry of Health and League of Nations Nutrition Committee. Its only drawback in the past has been its taste. But now we have overcome that. In "SevenSeaS" we have produced for the first time a pleasant palatable Cod Liver Oil, and it may be obtained in "High Potency" form too.

"SevenSeaS" is obtainable in three forms: (1) Standard B.P. Oil; (2) High Potency Oil — four times B.P. standard; (3) High Potency capsules containing 5 mm. dose of High Potency Oil. We would like all practitioners to prove to their own satisfaction just how revolutionary "SevenSeaS" High Potency Cod Liver Oil is. Please send to the address below for a free sample.

HIGH POTENCY OIL - 1/3 *bottle*
(you only need 5 drops)
"BP" STANDARD 10d. *& 1/3 bottle*

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(25 capsules) - - 1/6 bottle
(50 capsules) - - 2/9 bottle
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From all chemists, including Boots, Timothy Whites and Taylors, etc., etc.

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In the *Pneumonias*

(whatever the type)

Sample on request

focus your local treatment on

Antiphlogistine

Brand **Dressing**

applied as a poultice over the entire thoracic wall

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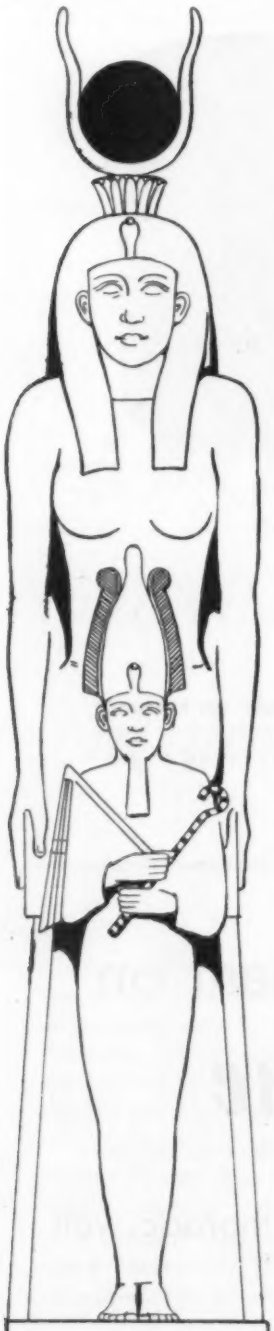

ISIS holding a Figure of Osiris between her wings.

Before and After Pregnancy

THE results of modern ante-natal care have emphasized the importance of proper nutrition of the expectant mother, in securing a normal pregnancy, labour and puerperium and in endowing the infant with an initially sound constitution.

The use of 'Ovaltine' throughout pregnancy goes far towards ensuring this ideal state of nutrition. 'Ovaltine' is a complete food, containing well-balanced proportions of protein, carbohydrate and fat, and is rich in the vitamins A, B (complex) and D and in readily assimilable calcium, phosphorus and iron. Quickly available energy is supplied by its high maltose content.

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'Ovaltine' given daily during pregnancy, definitely ensures that the foetus obtains sufficient nourishment, while sparing the maternal tissues from dangerous deprivation. During lactation its use enriches the milk and permits the mother to continue adequate feeding until the normal time for weaning occurs. Its tonic stimulating properties assist the general well-being of the mother.

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TONIC FOOD BEVERAGE

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M286

VEGETABLE PURÉES IN PEDIATRICS

A solution to the problem of home preparation

THE markedly improved nutrition and successful tolerance by infants to strained vegetables and fruits is rapidly securing a universal popularity for this dietary.

In theory there is no more desirable way of meeting systemic acidity, nutritional anaemia and supplying dietary bulk for intestinal residue in a non-irritant form.

In practice however, defects in the home preparation of purées retard or defeat the end in view. The vegetables used are not fresh, overmuch water or boiling in uncovered kettles reduces the mineral and vitamin content, and coarse sieving allows harsh fibre to pass.

PEAS	
PROTEIN	4·8
CARBOHYDRATES	8·8
CALCIUM	0·012
PHOSPHORUS	0·083
IRON	0·0016
VITAMIN A.	GOOD
VITAMIN B.	V.GOOD
VITAMIN C.	V.GOOD
VITAMIN G.	FAIR
CALORIES PER OZ.	17·0

A typical example of the high nutritive values retained in Heinz Strained Foods. (Figures show percentages on the wet basis)

In consequence there is a growing demand on the part of physicians and mothers for such a product that shall have the highest possible nutritive value, and complete uniformity. Their attention having been drawn to this, the H. J. Heinz Company decided that here was a legitimate extension of their services in view of their wide buying resources and long experience in the preparation of foods.

This company is accustomed to buying vegetables in those regions where they grow best, and to dealing with them within a few hours of their harvesting at the correct season of the year. This last is, of course, highly important.

The best factory practice is inevitably better than home preparation, however careful. After scrupulous cleaning, for example, vegetables are cooked in the Heinz factories under light steam pressure with exclusion of air until just soft enough to be comminuted by extrusion and cutting. The whole process is so regulated that the juices of the vegetables are retained throughout, there are no mechanical losses of mineral salts, vitamins or other soluble nutrients, and the resulting purée is adjusted to the proper consistence for satisfactory marketing.

Before filling and sealing, the product is subjected to a process for the removal of any absorbed air, and sealing takes place *in vacuo*. Finally, the sealed containers are immediately sterilised under known conditions of time and temperature. By these means are secured the high nutritional qualities, uniformity and convenience that physician, mother and patient desire.

NOTE.—Heinz Strained Foods are not packed in glass, for it has been found that light has an adverse action on vitamin content and palatability.

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STRAINED FOODS

SPINACH
TOMATOES
CARROTS
VEGETABLE SOUP
PEAS
GREEN BEANS
MIXED GREENS
BEETS
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SULPHANILAMIDE.....BOOTS

(p-aminobenzenesulphonamide)

INDICATIONS

Puerperal sepsis
Erysipelas
Streptococcal septicaemia
Tonsillitis due to haemolytic streptococci
Scarlet fever Cellulitis
Meningococcal infections
Gonococcal infections

DOSAGE

Two tablets three or four times daily; larger doses may be given at the discretion of the physician.

SULPHANILAMIDE ... BOOTS is a stable preparation of low toxicity for the oral treatment of haemolytic streptococcal and other bacterial infections. Issued in tablets of 0.5 gm. (7½ gr. approx.)

Per bottle of 25 tablets - 1/10 Per bottle of 100 tablets - 5/11½

Discount to the medical profession. Sample and literature sent on request.

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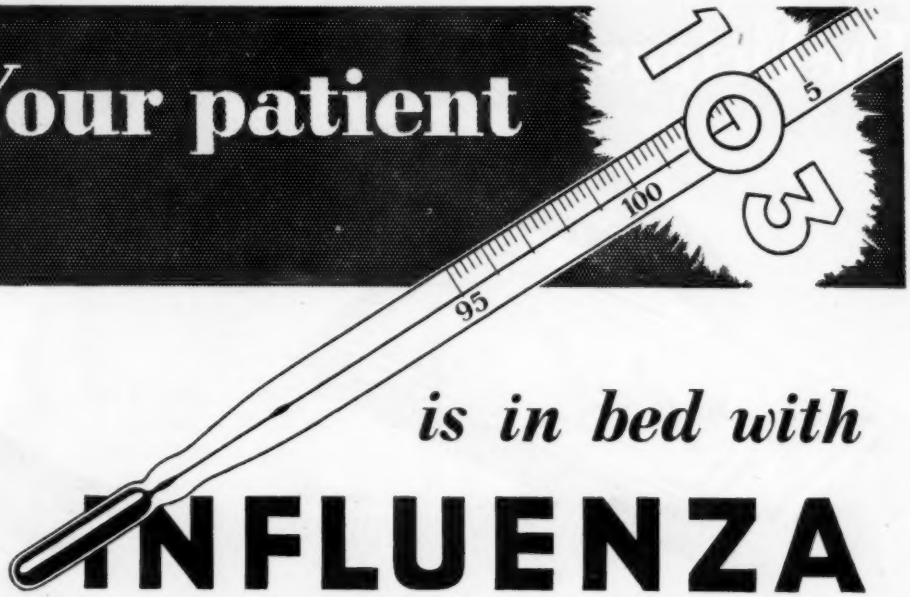
BOOTS PURE DRUG CO. LTD. Nottingham. Eng.

Your patient



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INFLUENZA

Her temperature is 103. Even when in normal health she is not very strong, and the weakening effect of the fever is becoming pronounced—especially as she refuses most of the light diet offered to her.

In such cases, the unique properties of Brand's Essence are of special benefit. This pure meat stimulant does not cause thirst. Its flavour has been found to tempt the most enfeebled appetite and restore food tolerance at times when the mere suggestion of food was repugnant to the patient.

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First there is marked relief from pain and irritation. The suppositories afford this alleviation not by narcotic or analgesic drugs but by their emollient and protective effect.

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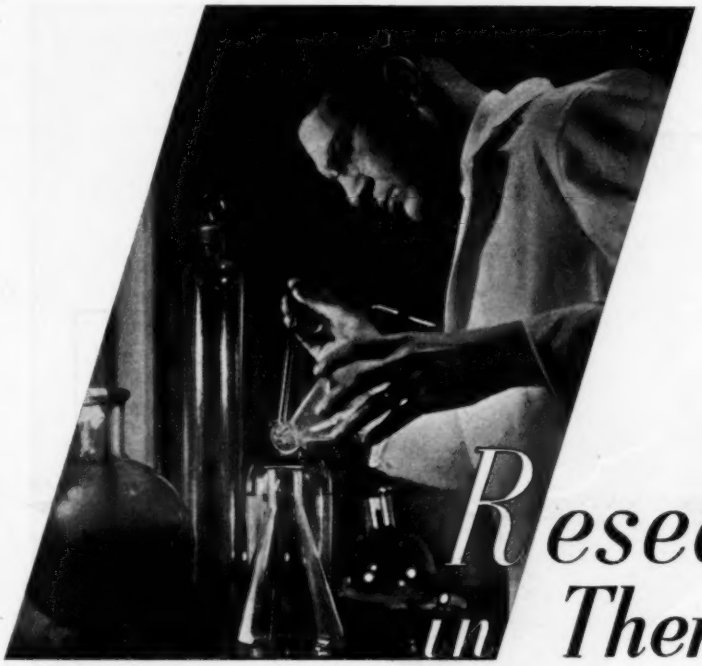

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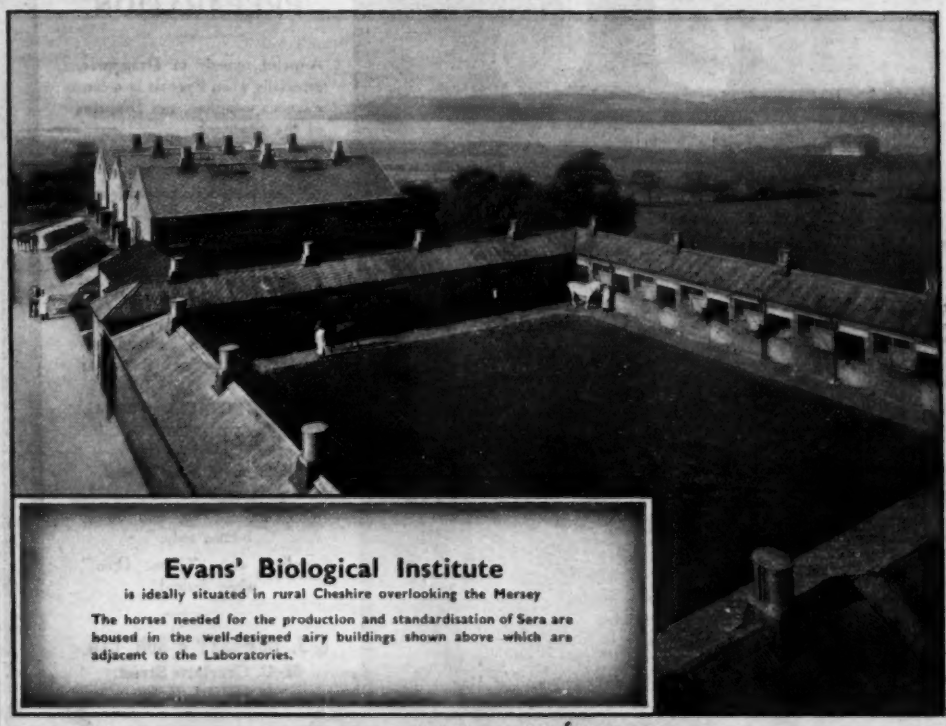

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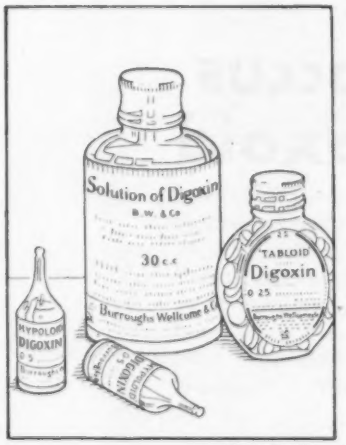

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A composite photograph showing the Bayer Laboratories at Elberfeld, where Vitamin B_1 was isolated from yeast and later synthesised for the first time.

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PROC. ROY. SOC. MED., JANUARY, 1937, p.276

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[*See also pp.* 17, 20 & 39]

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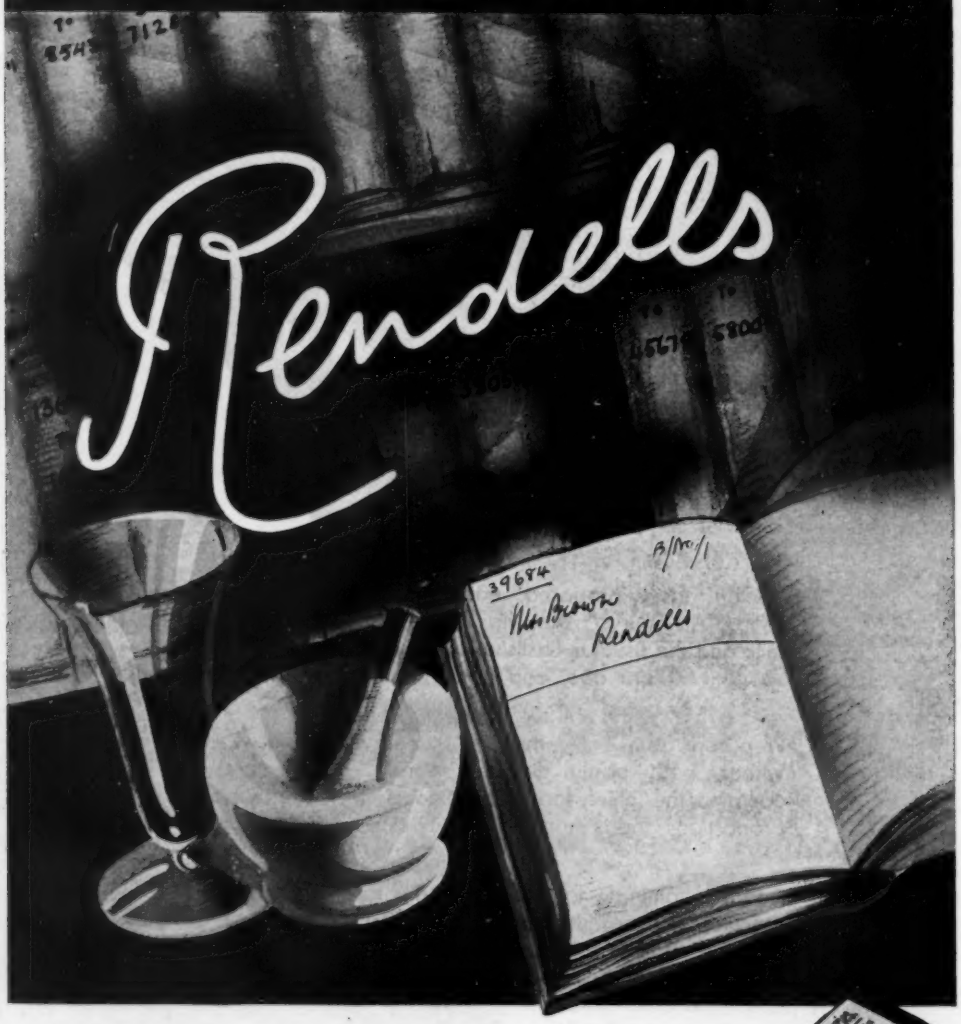

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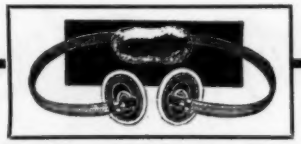

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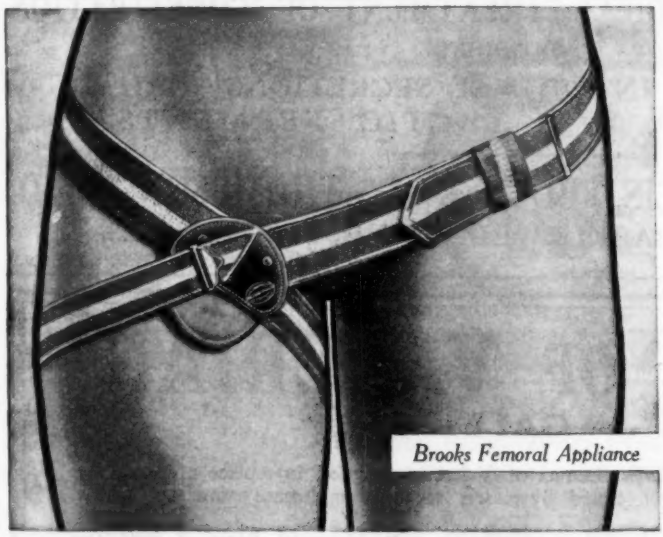

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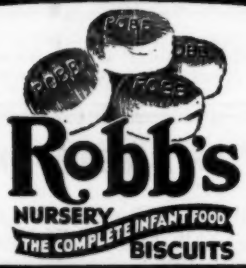

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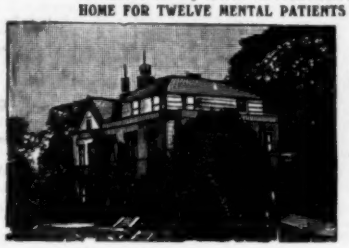

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A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

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CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 2251.

THE RESIDENTIAL TREATMENT OF ALCOHOLISM & DRUG ADDICTION

RENDLESHAM HALL

(Postal Address), WOODBRIDGE, SUFFOLK

RENDLESHAM HALL, which is open to receive patients, is essentially a Sanatorium. Its daily life and routine are that of an ordinary comfortable holiday or health resort, or of a large country house. Each patient has all the privileges of a guest consistent with the prescribed medical treatment.

RENDLESHAM HALL

Rendlesham Hall has 45 Bedrooms, and about 450 acres of Gardens and Park. It has also a private Nine-hole Golf Course, Tennis and Croquet Lawns, and Bowling Green.

Illustrated Booklet, giving particulars as to terms, etc., can be had on application to

THE RESIDENT MEDICAL SUPERINTENDENT

Telegrams and Telephone: WICKHAM MARKET 16. (Toll Call from London.)

Proprietors: THE NORWOOD SANATORIUM, LIMITED.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." **33, PECKHAM RD., LONDON, S.E.5.** Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

The MUNDESLEY SANATORIUM

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M.D. (Cantab.).

For all information apply:
THE SECRETARY,
THE SANATORIUM,
MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95
(2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

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The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

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Telegrams: Castle, Ruthin. *Telephone:* Ruthin 66.

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For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

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GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

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Telephone: RODney 3841

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New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (a) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (b) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

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(Formerly the EARLSWOOD ASYLUM.) PATRON: H.M. THE KING.

FOR THOSE REQUIRING CONTROL with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations, *SCHOOLS, FARMING, and various TRADE WORKSHOPS.*

Inclusive fees from £110 p.a. *THOSE UNABLE TO PAY FULL FEES* admitted by votes of subscribers with part payment towards cost.

RECREATIONS: Outdoor games. MALE STAFF BAND for Concerts, Dancing, etc.

Apply: THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey. *'Phone:* REDHILL 344; or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.4, *'Phone:* CITY 4697.

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Great Britain's Greatest Hydro
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Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage: Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). TERMS, 13s. to 18s. per day, inclusive of board.
Illustrated Brochure C.J. and full information on request.
Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

THE CLINIC
20 Devonshire Place
London, W.1
Tel.: Welbeck 4444 (20 lines)

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.).
8 Operating Theatres.
150 State Registered Nurses.
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Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

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One hour from London, fifteen minutes from Brighton. Situated in delightful grounds overlooking the South Downs, The Sunnyside Restorium with its Southerly aspect and sheltered from cold winds enjoys a climate Mild but not Relaxing, the maximum of Sunshine and a complete freedom from Fogs.

Formed on the American Plan, patients reside in the cheerful atmosphere of a fully licensed, high-class Country Hotel with every modern convenience, yet home comforts, and free from the irksome restrictions of Nursing Home or Clinic.

TREATMENTS available include Foam and other Baths, Radiant Heat, Ultra-violet and Infra-red Ray, Diathermy, Electro-therapy, Massage, Remedial Exercises, etc. Special Dieting when required. All treatments are given by fully qualified Massage Staff, under the supervision of the Resident Physician.

Special attention given to visitors from overseas who are in England for treatment or observation by London Consultants.

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Write for Fully Illustrated Brochure and Terms to:—
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Telephone: Hassocks 103.

SPRINGFIELD HOUSE
'Phone: BEDFORD 3417. **Near BEDFORD**
For Mental Cases with or without Certificates.
Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).
For forms of admission &c., apply to the Resident Physician, CEDRIC W. BOWER.
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Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

CHISWICK HOUSE,
PINNER, MIDDLESEX.
Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.
DOUGLAS MACAULAY M.D., D.P.M

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A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2368.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

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Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
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Applications are invited for the post of HOUSE SURGEON to commence duties on the 1st April, 1938.

Salary at the rate of £100 per annum. The appointment is for six months and subject to rules, a copy of which may be obtained from the Secretary.

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Applications, with copies of testimonials, should be sent to the House Governor, 234, Great Portland-street, W.1, not later than March 11th.

HIS MAJESTY'S COLONIAL SERVICE

COLONIAL MEDICAL SERVICE

During 1938 the Secretary of State for the Colonies proposes to select a number of **MEDICAL OFFICERS** to fill vacancies, the majority of which will occur in **TROPICAL AFRICA** or in **MALAYA.**

QUALIFICATIONS.

Candidates must be British subjects of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose, and throat, venereal diseases, &c.

SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1200.

PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of the officer's salary.

PASSAGES.

Free first-class passages are provided on first appointment and when proceeding on and returning from leave. Assistance is also given towards family passages.

TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 2, Richmond-terrace, Whitehall, London, S.W.1.

ROYAL ARMY MEDICAL CORPS

Applications are invited from Medical Men for appointment to commissions in the Royal Army Medical Corps.

Candidates will for the present be selected for commissions without competitive examination, and will be required to present themselves in London for physical examination and interview on or about the 22nd April, 1938. They must be registered under the Medical Acts and normally must not be over the age of 28 years.

Successful candidates will in the first instance be given short service commissions for five years. During the 4th year of this period they will be given the opportunity of applying for permanent commissions in either the Royal Army Medical Corps or the Indian Medical Service. Those not selected will retire on completion of 5 years' service with a gratuity of £1000.

Candidates who are successful will, unless they are seconded to complete a hospital appointment, assemble at the Royal Army Medical College, London, on the 2nd May, 1938.

Particulars of the Conditions of Service in the Royal Army Medical Corps, pay and allowances, and forms of application, may be obtained on application, either in writing or personally, to the Assistant Director-General, Army Medical Services, The War Office, London, S.W.1.

INDIAN MEDICAL SERVICE

RECRUITMENT OF EUROPEAN OFFICERS

Applications are invited from Medical Men for Permanent Commissions in His Majesty's Indian Medical Service. The terms offered include a gratuity of £1,000 on retirement after six years' service, or of £2,500 after 12 years' service, together with free return passages, for those who no longer desire to remain in the Service. In other respects the terms will be as detailed below.

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

CAREERS.

The Indian Medical Service offers a permanent career with wide opportunities of medical experience, including clinical, preventive, specialist, and research work. At the beginning of his career an officer is employed on the military side, which has medical charge of the Indian Army. Promotion is on a time scale up to the rank of Lieutenant-Colonel, and by selection to the ranks of Colonel and Major-General. An officer may apply after one year's Indian Service to have his name registered for transfer to the civil side, from which appointments are made to Civil Surgeoncies, which are established at the principal civil centres to provide for the medical needs of Civil Officials and for general medical administrative purposes; to specialist (for example, public health and bacteriological) services; to research posts; and to professorships at the Medical Schools.

RATES OF PAY.

Years of Service.	Rank.	Basic Pay. Rs. per mensem.	Overseas Pay. £ per month.	Total. £ per annum.
1	Lieutenant.	450	15	585
2	Captain.	500	25	750
3	"	550	25	795
4	"	550	25	795
5	"	600	25	840
6	"	600	30	900
7	"	700	30	990
8	"	700	30	990
9	"	700	35	1050
10	"	700	35	1050
11	Major.	800	35	1140
12	"	800	40	1200
13	"	800	40	1200
14	"	800	40	1200
15	"	800	40	1200
16	"	950	40	1335
17	"	950	40	1335
18	"	950	40	1335
19	"	1100	40	1470
20	"	1100	40	1470
21	Lieut.-Col.	1350	40	1695
22	"	1350	40	1695
23	"	1350	40	1695
24	"	1500	40	1830
25	"	1500	40	1830

Note.—(1) The rupee is at present stabilised at a rate equivalent to 1*s.* 6*d.*
(2) An officer promoted to the rank of Lieut.-Colonel before completion of 20 years' service will receive pay at the rate of Rs. 1200 per mensem (basic) plus £40 per month overseas pay.

Extras.—In addition to the above rates various allowances are admissible for a large number of special appointments on both the military and the civil side which may be held by members of the Indian Medical Service. Special high rates of pay are also attached to the numerous administrative appointments open to officers in both branches of the Service.

ANTEDATES IN COMMISSION.

Candidates possessing certain higher medical qualifications or holding the Diploma in Public Health may be granted an antedate in their commissions. Past service in certain hospital appointments may also render candidates eligible for an antedate. Persons holding or about to hold resident posts at recognised hospitals may be seconded in those posts for a period. The maximum period of antedate, secondment, or antedate and secondment combined, admissible under this paragraph, is limited to 18 months.

OUTFIT ALLOWANCE.

Officers on appointment will receive an allowance of £75 towards the cost of outfit.

PRIVATE PRACTICE.

With the exception of Administrative Officers, military or civil, and officers holding certain special appointments, officers are not debarred from taking private practice, so long as it does not interfere with their proper duties.

LEAVE.

Leave can be taken at reasonable intervals, and adequate rates of leave pay are provided. Extra leave (known as study leave), which may not exceed 12 months in all during an officer's service, may be granted to officers desirous of pursuing special courses of study of a post-graduate nature. During such leave, study allowance, at present fixed at the rate of 12*s.* a day in the United Kingdom, £1 a day on the Continent of Europe, and £1 10*s.* a day in the United States of America and Canada is granted to an officer in addition to ordinary rates of leave pay.

PENSIONS.

The rates of pensions are as follows:—

	Per annum. £	s.
After 17 years' service for pension	372	0
" 18 " " "	400	0
" 19 " " "	428	0
" 20 " " "	465	0
" 21 " " "	502	0
" 22 " " "	539	10
" 23 " " "	576	10
" 24 " " "	614	0
" 25 " " "	651	0
" 26 " " "	697	10
" 27 " " "	744	0

There are additional pensions ranging from £65 to £350 per annum for officers who have held administrative appointments.

PASSAGES.

An officer on appointment is provided with free passage to India. The families of officers who are married prior to the date of the officers' embarkation on first appointment will also be provided with free passage to India, subject to the payment of messing charges. Officers and their families are also eligible for passage concessions under which they are granted a certain number of return passages home at Government expense during their service.

INSTRUCTION PRIOR TO EMBARKATION.

Officers are required to undergo courses of instruction at the Royal Army Medical College and at Aldershot, lasting approximately three months, prior to their embarkation for India on first appointment. Information as to the rates of pay admissible during this period and subsequently up to arrival in India is contained in the memorandum referred to below.

A memorandum giving full details regarding these appointments and forms of application may be obtained from the UNDER-SECRETARY OF STATE FOR INDIA, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. The Selection Committee will meet at the India Office early in April next, and the selected candidates, unless seconded for hospital appointments, will be required to join a course of instruction commencing about 1st May, prior to sailing for India in September, 1938. Applications should reach the India Office as soon as possible.

INDIA OFFICE, March, 1938.

West London Hospital,
Hammersmith-road, W.6.
(239 Beds.)

Required, One HOUSE PHYSICIAN and One HOUSE SURGEON. The duties of the House Physician include some work in the Children's Department and the House Surgeon will have some work in the Genito-Urinary Department. These appointments (Males) are tenable for six months from 1st April next, subject to one month's notice on either side. Salary at the rate of £100 a year, with board, lodgings, and laundry allowance. Candidates must be registered under the Medical Act.

Applications (which must be made on printed forms obtained from me) must reach me not later than the first post on Wednesday 16th March. Selected candidates will be required to call upon such Members of the Medical Staff as directed, to be in attendance at the Medical Council Meeting on Friday, 25th March, at 4.30 P.M., and the House Committee Meeting at 5 P.M. the same day, when the appointments will be made.

H. A. MADGE, Secretary.

The Willesden General Hospital,
Harlesden-road, N.W.10.

Applications are invited from fully qualified and registered candidates (unmarried) for the appointment of a Resident Officer, to hold the appointment of CASUALTY OFFICER for a period of three months from the 1st April, 1938, followed by a six months' appointment as HOUSE PHYSICIAN (total nine months).

Salary at the rate of £100 per annum.

Applications to be received by the Secretary not later than first post on Friday, 18th March, 1938.

28th February, 1938.

Royal Eye Hospital,
St. George's-circus, Southwark, S.E.1.

RESEARCH UNIT.

Applications are invited for the newly created posts of RESEARCH ASSISTANTS (unpaid). Further particulars can be obtained from the Dean.

Applications should be sent to the Dean not later than March 14th.

A. SORSBY, Dean.

The Urban District Council of DAGENHAM.

DEPUTY MEDICAL OFFICER OF HEALTH (Male).

Applications are invited from duly qualified Medical Men for the post of Deputy Medical Officer of Health. Preference will be given to candidates possessing the Diploma of Public Health, or an equivalent qualification.

Commencing salary £600 per annum, rising by annual increments of £25 to £750, subject to superannuation deductions.

The gentleman appointed will be required to devote the whole of his time to the duties of the office, which consist mainly of work in the Maternity and Child Welfare Department, but may also include duty in any section of the health services of the district.

Experience in antenatal and maternity and child welfare work is essential.

Opportunities will be available for acquiring experience in Public Health administration.

Application forms and further particulars obtainable from the Medical Officer of Health at the under-mentioned address, upon receipt of a stamped addressed foolscap envelope.

Closing date 14th March, 1938.

Canvassing disqualifies.

F. W. ALLEN, Clerk of the Council.

Civic Centre, Dagenham, Essex, 15th February, 1938.

Queen Mary's Hospital for the East END, E.15.

Applications are invited for the post of CLINICAL ASSISTANT to the SKIN DEPARTMENT of the above Hospital.

Applications, accompanied by copies of recent testimonials indicating experience, from candidates who must be duly registered Practitioners, should be lodged with the undersigned not later than Wednesday, the 16th of March, 1938.

Attendance will be required weekly—namely, on Wednesday mornings at 9 A.M. RAPHAEL JACKSON, Major, Secretary.

St. Peter's Hospital for Stone, etc.,
Henrietta-street, Covent Garden, W.C.2.

The office of HOUSE SURGEON will fall vacant on 1st April, 1938, and applications are invited from Male candidates with previous experience in a similar office at a General Hospital. The salary offered is at the rate of £75 per annum, with board, lodging, and laundry.

At the expiration of six months' term of office, and subject to the recommendation of the Medical Committee, the House Surgeon is appointed Resident Surgical Officer for a further similar period. Candidates should therefore be prepared, if successful, to remain at the Hospital for twelve months in all.

Applications, accompanied by copies of testimonials, should be forwarded to reach the undersigned not later than the first post on Tuesday, 8th March, 1938.

BEECHEY ROGERS, Secretary.

The Princess Elizabeth of York
HOSPITAL FOR CHILDREN, SHADWELL, LONDON, E.1.
(Formerly East London Hospital for Children.) (135 Beds.)

A HOUSE PHYSICIAN is required on 1st April, 1938, by the above Hospital. Candidates are invited to send in their applications, addressed to the Secretary, not later than the first post on Tuesday, 8th March, 1938, accompanied by copies of not more than three recent testimonials and evidence of having held a responsible hospital appointment. The appointment is for six months. Salary at the rate of £125 per annum, with board, residence and laundry.

Candidates must be properly registered in this country. Forms of application and copies of the rules can be obtained from the Secretary-Superintendent.

The National Temperance Hospital,
Hampstead-road, N.W.1.

Applications are invited for the following posts :—

RESIDENT MEDICAL OFFICER (Male). Salary £175 per annum, board, residence, and laundry allowance.

CASUALTY OFFICER (Male). Salary £120 per annum, board, residence, and laundry allowance.

The appointment is for a period of six months in each case, as from April 1st. Preference will be given to those who have held resident posts. Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Monday, March 7th, addressed to the Secretary.

Evelina Hospital for Sick Children,
Southwark, S.E.

Applications are invited for the post of FOURTH PHYSICIAN (Male) to the Hospital. Candidates must be Graduates in Medicine, Members of the Royal College of Physicians, London, or shall proceed to obtain that Diploma, and must not be engaged in general practice. The successful candidate will have charge of beds, and will do two Out-patient Clinics per week, and there is an honorarium of fifty guineas attached to the post.

Applications, with copies of not more than four testimonials, should reach the House Governor not later than March 11th.

Candidates will be required to call upon members of the medical staff, whose names, together with the Standing Orders relating to the post, will be forwarded by the House Governor.

W. H. SIDNELL, House Governor.

21st February, 1938.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

ASSISTANT MEDICAL OFFICER (Grade I).—Salary £350–£25–£425, with board, lodging, and washing.

(*a*) ST. LUKE'S HOSPITAL, LOWESTOFT, SUFFOLK.—Experience in the treatment of non-pulmonary tuberculosis desirable.

There is no accommodation for a woman officer.

ASSISTANT MEDICAL OFFICER (Grade II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(*b*) HIGH WOOD HOSPITAL FOR CHILDREN, BRENTWOOD, ESSEX.—Experience in children essential and in tuberculosis desirable.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 14th March.

Canvassing disqualifies.

The Queen's Hospital for Children,
Hackney-road, E.2. (204 Beds.)

The Committee invite applications for the post of ASSISTANT PHYSICIAN, with charge of beds. Candidates must be Fellows or Members of the Royal College of Physicians, London.

Attendance in the Out-patient Department required at present on Saturday morning, but possibly also on another day to be arranged later.

An honorarium to cover travelling expenses will be paid.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom further particulars may be obtained.

CHARLES H. BESSELL, Secretary.

21st February, 1938.

Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of ASSISTANT PHYSICIAN at the above Hospital. Candidates must be Members of the Royal College of Physicians (London). Duties include charge of beds. There is no Out-patients' Department. Candidates will be required to call on members of the Medical Committee. Three applications, together with copies of three testimonials, should be submitted on or before Tuesday, March 22nd, 1938, to the undersigned from whom further particulars may be obtained.

F. DUDLEY HOBBS, B.A., Secretary.

The Princess Beatrice Hospital,

Earl's-court, London, S.W.5.
(General Hospital. 81 Beds.)

CASUALTY OFFICER AND OBSTETRIC HOUSE SURGEON (Male or Female) required for a period of six months as from April 1st, 1938. Salary at the rate of £110 per annum, with board, residence, and laundry (together with £10 to cover all duties during the six months relating to private patients). Previous resident experience desirable, but not essential.

Full particulars may be obtained from the Secretary-Manager, by whom applications, with copies of three recent testimonials, should be received not later than 9 A.M. Tuesday, 8th March, 1938.

The Nelson Hospital, Merton, S.W.20.

(86 Beds.)

RESIDENT HOUSE SURGEON (Male, unmarried) required 22nd March, 1938, for duties in connexion with Men's and Children's Wards—share Casualty work. Appointment for six months in first instance.

Salary at rate of £150 per annum, plus usual allowances and fees earned.

Candidates must be British by nationality and birth.

Applications, with copies of recent testimonials, should be sent to the Secretary forthwith.

County Council of Middlesex.

NORTH MIDDLESEX COUNTY HOSPITAL, EDMONTON.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment.

Candidates must be registered Medical Practitioners who have held resident appointments in a General Hospital.

The duties of the appointment will be mainly Obstetrical and Gynæcological. Salary £250 per annum, with board, lodging, and laundry, valued at £100 per annum.

The officer appointed will work under the direction of the Medical Superintendent, and will devote his or her whole time to official duties.

The appointment (which does not at present carry any superannuation rights, will be subject to medical examination and is terminable by one month's notice on either side) is for a period of six months in the first instance, and may be extended for an additional six months.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than March 19th. Relationship to any member or officer of the Council must be disclosed in the application.

Application forms are not provided. Envelopes must be endorsed "Junior Assistant Medical Officer, North Middlesex County Hospital." Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1, February 23rd, 1938.

County Council of Middlesex.

TUBERCULOSIS MEDICAL OFFICER.

Applications are invited for the above appointment on the pensionable staff. Salary £750 per annum, rising by annual increments of £50 to £1000, together with out-of-pocket travelling expenses.

Candidates must be registered Medical Practitioners who have held resident appointment in a general hospital for at least six months, and have had special practical experience in the diagnosis and treatment of Tuberculosis in sanatoria or otherwise.

The officer appointed will be required to devote his whole time to his official duties, to work under the administrative control of the County Medical Officer of Health, and to reside in such district as may be required.

The duties will include the charge of Tuberculosis Dispensaries, the general arrangement for the treatment of tuberculosis patients otherwise than in sanatoria, and such other duties as the Council may direct.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council and is terminable by three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 19th March. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Tuberculosis Officer" Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1, 25th February, 1938.

Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.

APPOINTMENT OF CASUALTY MEDICAL OFFICER.

Applications are invited from registered Medical Women for the resident appointment of Casualty Medical Officer for six months, vacant April 1st next, at the Out-patient Department, Bayham-street, Camden Town. Salary £100 per annum.

Application to be made on the prescribed form, together with copies of not more than three testimonials, should be returned to the Secretary by March 19th next.

St. Mary's Hospital, Institute of

PATHOLOGY AND RESEARCH.

Applications are invited from qualified Medical Practitioners for a RESEARCH STUDENTSHIP. This will be tenable for six months and may be renewed for a second period of six months.

The Institute comprises the following departments: Anatomy and Embryology, Physiology, Pathology, Chemical Pathology, Clinical Bacteriology, Systematic Bacteriology and Immunology.

The student, who will receive an honorarium at the rate of £200 per annum, may elect to carry out his researches in any one of these departments, and would be required to work under the direction of the head of the department concerned.

Preference will be given to old St. Mary's Students.

For further particulars apply to the Secretary, Institute of Pathology and Research, St. Mary's Hospital, Paddington, W.2, to whom applications must be sent not later than March 14th.

Hôpital et Dispensaire Français,

172, Shaftesbury-avenue, W.C.2.

Applications are invited for the post of ANÆSTHETIST to the above Hospital. Honorarium £25 per annum. Candidates should have a working knowledge of French and must be engaged solely in the practice of anæsthetics.

Copies of three recent testimonials to be sent to the Secretary on or before the 21st March, 1938.

Western Ophthalmic Hospital,

Marylebone-road, N.W.1.

Applications are invited for the following resident posts.

(1) SENIOR HOUSE SURGEON, salary at the rate of £150 per annum.

(2) JUNIOR HOUSE SURGEON, salary at the rate of £100 per annum. Previous ophthalmic experience desirable.

The selected candidates shall commence duties on April 1st, 1938. The Hospital is recognised for the purpose of the D.O.M.S. examinations.

Applicants for the senior post should state if they are willing to accept the junior post.

Applications, with copies of three recent testimonials, should reach me as soon as possible and not later than March 14th.

H. W. BURLEIGH, Honorary Secretary.

British Postgraduate Medical School.

Wanted on the 1st of April a JUNIOR ASSISTANT for the Department of Pathology, Section of Bacteriology. A medical qualification is not essential, but applicants not medically qualified should possess a degree or diploma in Bacteriology or Serology. Salary £300, rising by annual increments of £50 to £500. The successful candidate will be required to join the Federated Superannuation System for Universities.

Further particulars can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, W.12, to whom applications should be sent accompanied by the names of three referees, to arrive not later than the first post on Monday, 14th March.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, W.10.
(75 Beds.)

HOUSE SURGEON (Male) required for six months from 1st April, 1938. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence, and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned and must reach him not later than Saturday, 19th March, 1938.

H. J. ELEY, Secretary.

Hospital for Consumption and Diseases

OF THE CHEST, Brompton, S.W.3.

The Committee of Management give notice that a vacancy will shortly occur in the office of PHYSICIAN to the Hospital.

Intending applicants, who must be Fellows or Members of the Royal College of Physicians, London, should address applications, accompanied by testimonials, not later than Thursday, March 10th, to the undersigned. The Senior Assistant Physician is a candidate for the appointment.

F. G. ROUVRAY, Secretary.

24th February, 1938.

Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the posts of two OUT-PATIENT OFFICERS, to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officers will be appointed for a period of one year and will be eligible for re-appointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 7th March, 1938.

A. J. M. TARRANT, Secretary.

Royal College of Surgeons of England.

The Council invite applications for the following Annual Examinerships:—

	Number to be elected.	Number who seek re-election.
FOR THE FELLOWSHIP.		
*Anatomy	4	4
*Physiology	4	4
FOR THE LICENCE IN DENTAL SURGERY.		
Board of Examiners in Dental Surgery (Surgical Section)	6	6
Examiners must be Fellows of the College, and will be required to examine in General Anatomy and Physiology, and in General Surgery and Pathology.		
Medicine	4	1
UNDER THE CONJOINT EXAMINING BOARD.		
Elementary Biology	4	4
*Anatomy	3	2
*Physiology	2	1
Midwifery	4	4
Pathology	4	3
Public Health Part I (Bacteriology and Parasitology)	1	1
Public Health Part II	1	1
Pathology and Tropical Hygiene (D.T.M. & H. Part I)	1	1
Tropical Medicine and Surgery	1	1
Ophthalmic Medicine and Surgery	3	2
Psychological Medicine	1	1
Laryngology and Otology	3	2
Medical Radiology	2	2
Anæsthetics	1	1
Child Health	1	1

* Candidates must hold a medical qualification registrable in this country.

Applications must be in writing and must reach the Secretary by Tuesday, March 29th.

5th March, 1938. KENNEDY CASSELS, Secretary.

The South London Hospital for Women,

Clapham Common, S.W.4.
(140 Beds.)
A General Hospital for Women and Children.

Applications are invited from Medical Women for the undermentioned appointment:—

HOUSE PHYSICIAN for a period, of six months from April 1st, 1938.

Salary at the rate of £100 per annum, with board, residence, and laundry. Candidates are requested to call on members of the Hon. Medical Staff before Wednesday, March 16th, by which date applications and copies of testimonials must reach the Secretary at the Hospital.

Royal College of Surgeons of England.

ELECTION OF EXAMINER IN DENTAL SURGERY.

Notice is hereby given that the Council, on June 9th next, will elect a Member of the Board of Examiners in Dental Surgery in the vacancy occasioned by the retirement of Mr. H. Stobie, who is eligible.

Persons duly registered under the Dentists Acts, 1878–1923, desirous of being elected, should make application, in writing, to the Secretary on or before Tuesday, March 29th.

KENNEDY CASSELS, Secretary.

5th March, 1938.

St. John's Hospital, Lewisham, S.E.13.

Applications are invited for the appointment of HONORARY PHYSICIAN to the Children's Department of the Hospital. The successful applicant, who must be a Member of the Royal College of Physicians, London, will take charge of ten beds, and will be required to take one out-patient clinic weekly.

Applications, together with copies of testimonials, should reach the undersigned not later than March 14th.

J. C. GILBERT, Secretary-Superintendent.

King George's Sanatorium for Sailors,

LIPHOOK, HANTS (SEAMEN'S HOSPITAL SOCIETY), for the Treatment of Pulmonary and Non-pulmonary Tuberculosis.—ASSISTANT MEDICAL OFFICER (single, Male or Female) required as from the 15th April for six months. Salary at the rate of £200 per annum in the first instance.

Applications, with copies of not less than three testimonials, to be sent in on or before the 22nd March, to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

Greenwich, 28th February, 1938.

Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the following appointment:—

HOUSE SURGEON, vacant April 15th.

The appointment is for nine months (six months as House Surgeon and three months as Casualty Officer). Salary at the rate of £70 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by March 11th to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

London Jewish Hospital,

Stepney Green, E.1.
General Hospital. (109 Beds.)

Applications are invited for the post of EAR, NOSE, AND THROAT REGISTRAR. Honorarium at the rate of Twenty Guineas per annum.

Particulars can be obtained from the Secretary, to whom candidates must send their applications and copies of three recent testimonials not later than Friday, 18th March, 1938.

South London Hospital for Women,

Clapham Common, S.W.4.

Applications are invited from Medical Women as
CLINICAL ASSISTANTS
for Gynæcological out-patients to attend on Monday afternoons and Tuesday mornings, and for Medical out-patients to attend on Monday afternoons.

Applications, with testimonials, to be sent to the Secretary at the Hospital.

AMENDED ADVERTISEMENT.

Borough of Ealing.

ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Men (single) with a Public Health qualification for the position of Assistant Medical Officer.

A candidate must have had experience in the treatment of cases of infectious disease at an Isolation Hospital. The duties will include the medical care of patients in the Chiswick and Ealing Isolation Hospital, South Ealing, and the medical inspection and treatment of school-children at schools and health centres in the borough of Ealing.

The person appointed will reside at the Isolation Hospital where furnished rooms and board will be provided.

He will be required to devote his whole time to the duties and will not be allowed to engage in private practice. The salary will be at the rate of £450 per annum, rising by £25 per annum to a maximum of £550, plus board and residence, as indicated above and valued at £150 per annum.

A deduction of 5 per cent. will be made from the salary in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, which has been adopted by the Council, and the appointment will be subject to passing the Council's medical examination in connexion therewith. Canvassing will be a disqualification.

Copies of the application forms and terms of appointment can be obtained from Dr. Thomas Orr, Medical Officer of Health, Town Hall, Ealing, W.5, to whom application, accompanied by copies of not more than three recent testimonials, must be delivered not later than the 17th March.

R. H. WANKLYN, Town Clerk.

Town Hall, Ealing, W.5.

Essex County Council.

APPOINTMENT OF PART-TIME OPHTHALMIC SURGEON.

The County Council of the Administrative County of Essex invite applications for the above appointment from registered Medical Practitioners not over forty-five years of age, with special experience in all branches of Ophthalmology, to act under the County Medical Officer of Health.

Preference will be given to candidates holding an Ophthalmic Hospital appointment and the possession of the Diploma in Ophthalmic Medicine will be considered an additional qualification.

The salary will be at the rate of £200 per annum for two sessions a week, together with a travelling allowance in accordance with the County Scale for the time being in force.

The appointment will be held by the successful candidate during the pleasure of the Council, and will be determinable by the Officer by three months' notice in writing.

Applications on the prescribed form, obtainable from the undersigned, accompanied by copies of not more than three testimonials (which will not be returned), should be addressed to me and delivered at the County Hall, Chelmsford, not later than Monday, the 21st day of March, 1938.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 1st March, 1938.

County Council of the West Riding of YORKSHIRE.

APPOINTMENT OF ASSISTANT COUNTY MEDICAL OFFICER.

The County Council of the West Riding of Yorkshire invite applications from registered Medical Practitioners for the appointment of Assistant County Medical Officer, the duties of which will be to act as Venereal Diseases Officer and to assist the County Medical Officer in General Public Health Administration.

The salary is £960 per annum.

Candidates must be duly registered in Medicine and Surgery and possess the Diploma in Public Health.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Form of application and further particulars may be obtained from the undersigned, to whom all applications, together with copies of not more than three recent testimonials, should be addressed so as to be received not later than the 21st March, 1938.

J. CHARLES MCGRATH, Clerk of the County Council.

County Hall, Wakefield, March, 1938.

The Chester Royal Infirmary.
(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to take up duty on 16th March. Salary £150 per annum, with board, lodging, and laundry. Duties will include work in the Orthopædic Department and Fracture Clinic.

The appointment is approved in connexion with the M.S (London University) and F.R.C.S. (Eng.). Examinations. Application list closes 12th March. Application forms may be obtained from— W. H. GRACE, M.D., M.R.C.P.

25th February, 1938. Hon. Sec. Medical Committee.

Lancashire County Council.

PARK HOSPITAL, DAVYHULME, Near MANCHESTER.

APPOINTMENT OF SECOND RESIDENT MEDICAL OFFICER.

Applications are invited from registered Male Medical Practitioners for the appointment of Second Resident Medical Officer at the above Hospital. Candidates must be unmarried.

Candidates must have had previous hospital experience and preference will be given to candidates who have had experience in diseases of the ear, nose, and throat, and children's diseases.

Salary £300 per annum, together with the usual residential allowances.

The appointment will, in the first instance, be for a period of six months, the successful applicant being eligible for reappointment for a further period of six months at the end of that period.

The Hospital comprises 500 beds for acute cases, is fully equipped in every respect, and is recognised as a complete Training School for Nurses.

The appointment will be terminable by one month's notice on either side.

Forms of application may be obtained from the County Medical Officer of Health, Hospital and Medical Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded so as to be received not later than Saturday, the 12th March, 1938.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 28th February, 1938.

Royal Infirmary, Blackburn.
(244 Beds—Five Residents.)

CASUALTY OFFICER (Male) required. Salary £175 per annum.

The Casualty Officer is also attached to the Fracture Clinic and Fracture Wards.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible.

T. DEWHURST, General Superintendent and Secretary.

Royal Infirmary, Blackburn.

This Institution is recognised for the Surgical practice required for the F.R.C.S. Examination.

The Staffordshire General Infirmary,
STAFFORD.
(145 Beds.)

The General Committee invite applications for the position of HONORARY VISITING PHYSICIAN.

Candidates must be graduates in Medicine of a University in the United Kingdom, or Fellows, Members or Licentiates of the Royal College of Physicians, London, or Fellows of the Royal College of Physicians of Edinburgh or Dublin.

Applications, containing particulars as to age, qualifications, and experience, together with copies of three recent testimonials, should be received by the undersigned not later than first post on Friday, the 11th March, 1938.

A. E. COLLINS, Secretary.

Stafford, 28th February, 1938.

The Chester Royal Infirmary.
(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to the Ear, Nose, and Throat and Gynæcological Departments. Salary £150 per annum, with board, lodging, and laundry. To take up duty on 1st April next. The appointment is approved in connexion with the M.S. (London University) and F.R.C.S. (Eng.) Examinations.

Application list closes 19th March, 1938.

Application forms may be obtained from :—

W. H. GRACE, M.D., M.R.C.P.,
Hon. Secretary, Medical Committee.

28th February, 1938.

County Borough of Walsall.

MANOR HOSPITAL.

CONSULTING OBSTETRICIAN AND GYNÆCOLOGIST.

Applications are invited for the above appointment from gentlemen of recognised Consultant rank. The gentleman appointed will be required to conduct a consultative antenatal and gynæcological clinic once monthly at the Manor Hospital, for which a fee of 3 guineas per session will be paid.

The gentleman appointed will also be required to act as Consultant Obstetrician at the Hospital, a fee of 5 guineas being paid for each emergency visit.

Applications to be sent to the Medical Officer of Health, Council House, Walsall, not later than 26th March, 1938.

Kent and Canterbury Hospital,
CANTERBURY.

HOUSE SURGEON required, Male, unmarried. Six months' appointment commencing end of March, 1938. Salary £125 per annum, with board, residence, and laundry.

The Hospital is recognised under F.R.C.S. regulations.

Applications, together with copies of testimonials, should be sent immediately to the undersigned.

J. F. KENT, Superintendent and Secretary.

Leeds Public Dispensary and Hospital.

Wanted at once :—

HOUSE PHYSICIAN (Male).

Appointment for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, to be sent to the undersigned, Public Dispensary and Hospital, North-street, Leeds, 2.

CHARLES F. J. MAURY, Secretary and Superintendent.

Coventry and Warwickshire Hospital.
(347 Beds.)

Applications are invited for the post of HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT, and also a HOUSE SURGEON to the OPHTHALMIC DEPARTMENT.

The salaries for each post are at the rate of £150 per annum, together with board, quarters, and laundry.

These appointments are recognised for the D.L.O. and the D.O.M.S. respectively.

Applications, stating qualifications, and accompanied by copies of recent testimonials, should be addressed to the House Governor and Secretary, Coventry and Warwickshire Hospital, Coventry.

York County Hospital.
(204 Beds.)

Applications are invited for the post of HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than 9 A.M. on Monday, 14th March, 1938.

J. R. MACKRILL, Secretary.

County Borough of Smethwick.

ST. CHAD'S HOSPITAL, BIRMINGHAM.

HOUSE SURGEON.

Applications are invited from registered Medical Practitioners for the appointment of House Surgeon at the Council's Municipal Hospital. The appointment will be for a period of six months from 6th April, 1938, with salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is re-appointed for a further period of six months, the salary will be at the rate of £200 per annum. St. Chad's Hospital contains 145 beds, and the cases treated include general medical, acute surgical, and maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Form of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom application endorsed "House Surgeon" and accompanied by copies of three recent testimonials must be delivered not later than 17th March, 1938.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 28th February, 1938.

Herefordshire General Hospital,
HEREFORD.
(152 Beds.)

Immediate applications are invited for the post of HOUSE SURGEON (Male) in charge of Casualty and Ear, Nose, and Throat Departments.

Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, should be sent to the undersigned.

T. W. UPTON, Secretary.

County Borough of Walsall.

MANOR HOSPITAL.

JUNIOR ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified persons for the appointment of Junior Assistant Medical Officer (resident). The appointment will be for a period of twelve months and the salary is at the rate of £150 per annum, together with the usual emoluments.

The person appointed will be required to act under the general direction of the Medical Superintendent, and carry out the duties of Casualty Officer and Resident Anæsthetist.

Applications, stating age, professional qualifications, and experience, accompanied by not more than three copies of recent testimonials, should be sent to the Medical Officer of Health, Health Department, Council House, Walsall, not later than 26th March, 1938.

3rd March, 1938.

The Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.
(Formerly South Devon and East Cornwall Hospital.)
(264 Beds.)

Applications are invited for the post of HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Appointment is tenable for six months and is subject to renewal. Duties to commence 22nd March.

The Hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applicants must be registered under the Medical Acts. Applications, stating age and qualifications, with copies of three recent testimonials, to reach the undersigned by 11th March.

ARTHUR R. CASH, Gen. Supt. Secretary.

Ancoats Hospital, Manchester, 4.

CASUALTY OFFICER, twelve months' appointment. Applicants who have passed the Primary Fellowship Examination of one of the Royal Colleges of Surgeons will be preferred.

Salary £175 per annum, with board, apartments, washing, &c. The successful applicant will do duty for the Resident Surgical Officer at alternate week-ends and other scheduled times.

HOUSE SURGEON (General) required. Appointment for six months from 1st April. Salary £100 per annum, with board, apartments, washing, &c.

Applications for the above posts, stating age, qualifications, experience, and full particulars to be forwarded to the undersigned on or before Wednesday, 9th March, together with copies of three recent testimonials.

By order of the Board,
HERBERT J. DAFFORNE, General Supt. and Secretary.

The Guest Hospital, Dudley.

(General Hospital. 135 Beds.)
The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

Two HOUSE SURGEONS (Male) required. One to enter upon his duties on April 1st and the other to commence on May 2nd. Salary at the rate of £100–£130, according to experience, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered. Duties include Medical Surgical, Ear, Nose, and Throat, Ophthalmic, Orthopædic, Gynæcological work, &c.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST,
House Governor and Secretary.

22nd February, 1938.

Derbyshire Royal Infirmary, Derby.

(General Hospital. 362 Beds.)

Applications are invited for the post of HOUSE SURGEON FOR EAR, THROAT AND NOSE DEPARTMENT, who must be a male of British nationality and unmarried.

Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c.

Applications, with copies of testimonials, to be sent to the undersigned.

State earliest date duties could be commenced.

ARTHUR TAYLOR, Superintendent and Secretary.

The Children's Hospital, Sheffield.

(140 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st April, 1938.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry. Candidates (Male and unmarried) who must possess registered qualifications, should forward applications stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invites applications for the appointment of HOUSE PHYSICIAN (Male). The salary attached to the appointment is at the rate of £150 per annum, with board, residence, and laundry. The duties include work in the Out-patient, Aural, Ophthalmic, &c., Departments as well as in the wards. The Hospital covers a large industrial area, and affords excellent opportunity for experience.

Applications, stating, age, nationality, &c., with three recent testimonials, to be sent to the Secretary, Rochdale Infirmary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale.

Bristol Eye Hospital.

80 Beds. (12 Private Patients.)
1937: 1017 In-patients. 17,794 Out-patients.

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £100 per annum. Senior post available after six months. Vacant 1st April, 1938.

Suitable experience for D.O.M.S. Applications, stating age and qualifications, &c., with three recent testimonials, to reach the undersigned by March 11th.

D. M. BABER, Secretary and House Governor.

Royal Isle of Wight County Hospital,

RYDE.

JUNIOR HOUSE SURGEON (Woman) wanted for April 1st., unmarried. Salary at the rate of £120 yearly, with board, residence, and laundry.

Apply, stating age and nationality, with copies of testimonials, to the Secretary, before Tuesday, March 8th.

A. S. GORDON, Secretary.

Public Health Department,

CITY OF CHESTER.

CITY HOSPITAL.

JUNIOR RESIDENT MEDICAL OFFICER required for the above general hospital.

Salary will be £200 per annum, with full residential emoluments. The appointment will be for one year.

Applications, stating age, qualifications, and previous experience, together with copies of three recent testimonials, should be sent to the Medical Officer of Health, Town Hall, Chester, by the 7th March, 1938.

J. H. DICKSON, Town Clerk.

Derbyshire County Council.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited for the post of Assistant County Medical Officer of Health. Candidates must possess a qualification in Public Health, have had both practical and administrative experience of the medical inspection of school-children, the organisation of school clinics and infant welfare centres, and have a sound knowledge of the provisions of the Midwives Acts and the rules of the Central Midwives Board.

The Officer appointed will be required to devote the whole of his time to the duties of the office and to work under the direction of the County Medical Officer.

The salary will be £700, rising by annual increments of £25 to £800 a year, and the appointment will be subject to the approval of the Minister of Health and the Board of Education.

The appointment will be a designated post under the Local Government and Other Officers' Superannuation Act, and the successful candidate will be required to pass a medical examination.

The appointment will be determinable by three months' notice on either side.

Applications, stating age, qualifications, and previous experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 15th March, 1938. Application forms are not provided.

W. M. ASH, County Medical Officer of Health.

County Offices, Derby, 18th February, 1938.

Derbyshire County Council.

BRETBY HALL ORTHOPÆDIC HOSPITAL.
(147 Beds.)

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the post of Junior Resident Assistant Medical Officer at the above Institution. Preference will be given to candidates who have held resident Hospital appointments, and who are competent anæsthetists. Orthopædic experience is not essential, but will be considered an additional qualification. Married quarters are not provided.

Salary at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, with board, residence, and laundry.

The successful candidate will devote the whole of his time to the duties of his office.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the person appointed will be required to pass a medical examination.

Application forms may be obtained from the undersigned, to whom they must be returned, together with copies of not more than three recent testimonials, on or before the 16th March, 1938.

W. M. ASH, County Medical Officer.

New County Offices, Derby, Feb. 18th, 1938.

The Royal Eastern Counties'

INSTITUTION FOR THE MENTALLY DEFECTIVE, COLCHESTER.

ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above post, from unmarried Male Medical Practitioners not over thirty-six years of age. Total beds over 1700.

The medical man appointed will be stationed at the new Extension, Turner Village, and will be required gradually to assume responsibility for administrative work connected with that extension, which has at present over 400 beds. For that reason the commencing salary has been fixed at £400 per annum, together with furnished apartments, board, laundry, and attendance. No deductions. Previous specialisation in Mental Deficiency is not essential.

A Research Department, with a Medical Director and other Staff, working under the Medical Research Council and the Rockefeller Foundation, is attached to the Institution. New Laboratories are completed and there is every facility for research work.

Apply before 9th March, giving age, nationality, full details of qualifications, and copies of testimonials, to the Medical Superintendent, Royal Institution, Colchester.

Bradford Children's Hospital.

HOUSE PHYSICIAN (Lady) required April 1st. Fully qualified. Salary £150, with board, residence, and laundry.

Applications, with recent testimonials, and stating age, not later than March 16th to:—

J. W. LONGLEY, Secretary-Superintendent.

Kent County Ophthalmic and Aural

HOSPITAL, MAIDSTONE.
(109 Beds.)

Applications are invited for the post of HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT, which post will be vacant on 1st April. Candidates must be duly qualified and registered Medical Practitioners, single and of British birth and nationality, and should have had some experience in the treatment of diseases of the Ear, Nose, and Throat. The post offers facilities for wide clinical experience and operative work, and the Hospital is recognised by the Examining Board for the D.L.O. The appointment is for six months, but may be renewed for a second six months. Salary at the rate of £250 per annum, with board, residence, and laundry.

Applications, stating age, together with copies of not more than three testimonials, should be sent to the undersigned by Saturday, 12th March.

JOHN W. STRICKLAND, Secretary.

Seaton Valley Urban District Council.

WHITLEY AND MONKSEATON URBAN DISTRICT COUNCIL.
LONGBENTON URBAN DISTRICT COUNCIL.

APPOINTMENT OF WHOLE-TIME MEDICAL OFFICER OF HEALTH.

Applications are invited for the appointment of a Whole-time Medical Officer of Health for the combined Area consisting of the above-mentioned Urban Areas, at a commencing salary of £900 per annum, plus car or travelling allowances in the first instance amounting to £100 per annum. The Medical Officer appointed will be required to furnish to the Joint Committee a record of his mileage and out-of-pocket expenses at the end of each twelve months, when the question of the expenses to be paid during the ensuing year will be considered.

The successful applicant will also be required to serve as Medical Superintendent of the Earsdon Joint Isolation Hospital Board, which Board receives and treats the whole of the infectious diseases occurring within the above area, together with the Boroughs of Blyth and Wallsend. The additional salary to be paid in connexion with the Hospital appointment will be £200 per annum.

The total population of the three combined areas is 76,490; the population of the Hospital District is 153,568.

Applicants must be registered in the Medical Register as a holder of a diploma in Sanitary Science, Public Health, or State Medicine, in addition to the statutory qualifications, and the successful applicant shall be restricted by the terms of his employment from engaging in private practice as a Medical Practitioner.

The successful applicant will be required to submit to the Ministry of Health and the County Council the appropriate information required under the Local Government Act, 1933, and the Sanitary Officers (outside London) Regulations, 1935, report to and attend the appropriate Committees of the above authorities, perform the duties imposed on a Medical Officer of Health by statute and by any orders, regulations, or directions from time to time made or given by the Minister and any bye-laws or instructions of the Local Authorities applicable to his office.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the passing of a medical examination.

The appointment will commence on the 1st day of August, 1938, and may be determined by the Medical Officer of Health appointed by three months' notice.

The successful applicant will be required to reside in the area above mentioned.

Applications, stating age and qualifications, together with copies of not more than three recent testimonials, to be sent in to the undersigned by first post on Saturday, the 19th day of March, 1938.

Dated this 11th day of February, 1938.

ARTHUR S. RUDDOCK, Clerk to the Joint Committee.

Council Offices, Whitley Bay.

Pembroke County War Memorial

HOSPITAL,
HAVERFORDWEST, PEMBROKESHIRE.
(64 Beds to be increased to 100 Beds.)

RESIDENT HOUSE SURGEON.

Applications are invited for the post of Resident House Surgeon, Male (unmarried), from duly qualified registered Medical Practitioners, with previous resident experience, to commence on 1st April, 1938. Salary £200 per annum, with residence (Private Bungalow), board, and laundry.

Applications, stating age, and accompanied by copies of not more than three recent testimonials, to be sent to the undersigned at the above address not later than first post Monday, 7th March, 1938.

F. W. BARNETT, House Governor and Secretary.

City of Birmingham.

COLESHILL HALL.

DEPUTY MEDICAL SUPERINTENDENT.

Coleshill Hall, a colony for Mental Defectives of all ages and both sexes, consists of two divisions, five miles apart, situated at Coleshill and Marston Green respectively, each about ten miles from Birmingham.

Applications are invited for the whole-time appointment of Deputy Medical Superintendent for the Colony, aged forty to forty-five, with experience in institutional administration. Salary according to experience (Scale £500–£700 per annum), subject to satisfactory service, plus emoluments consisting of unfurnished house, fuel, light, and laundry valued for superannuation purposes at £200 per annum. An additional £50 per annum will be granted if holding a recognised qualification in psychological medicine. All fees, allowances, and remunerations received other than the foregoing must be repaid to the City Council.

The candidate appointed will be required to pass satisfactorily a medical examination and to be subject to the provisions of the Asylums Officers' Superannuation Act, 1909, as modified by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918 The appointment will be subject to one month's notice on either side.

Application forms may be obtained from the Medical Superintendent, Coleshill Hall, Coleshill, near Birmingham, and must be returned to him not later than Monday, the 7th March, 1938.

F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 1.

Burton-on-Trent General Infirmary.

Applications are invited for the post of SENIOR HOUSE SURGEON (Male). Salary at the rate of £200 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, experience, and nationality, together with copies of testimonials, to be sent to—

E. W. THORNLEY, Secretary.

The General Infirmary, Burton-on-Trent.

Surrey County Council.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of an Assistant Medical Officer (Male). Applicants must possess a qualification in Public Health, and have had experience in the Medical Inspection of School-children and in Maternity and Child Welfare work.

The officer appointed will be required to undertake such other Public Health duties as may be allocated to him. He will be on the staff of the County Medical Officer of Health, must reside in the County of Surrey, and devote his whole time to the work. Salary £600 per annum, rising by annual increments of £20 to £700 per annum. Travelling expenses in accordance with the Council's scale will be allowed.

The appointment will be subject to the approval of the Ministry of Health and of the Board of Education, to the successful candidate passing a medical examination, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staffing Regulations of the Council, which provide, inter alia, that appointments may be determined at any time by three months' notice.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be made on the prescribed forms and sent to the County Medical Officer of Health, County Hall, Kingston-upon-Thames, from whom copies of the application form may be obtained and to whom any inquiries relating to the appointment should be addressed.

Last day for receipt of applications, Wednesday, 9th March, 1938.

Canvassing, directly or indirectly, will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

County Hall, Kingston-upon-Thames, 21st February, 1938.

King George Hospital, Ilford (near London). (207 Beds.)

RESIDENT ANÆSTHETIST and HOUSE PHYSICIAN (Male) required, for six months from 1st April. Salary £150 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than 14th March.

G AUSTIN HEPWORTH, Secretary and Superintendent

Royal Surrey County Hospital,

GUILDFORD.
(216 Beds.)

Applications are invited for the following resident posts for six months as from 1st April, 1938:—

(1) HOUSE SURGEON (Male) appointment recognised for the F.R.C.S. examination.

(2) HOUSE PHYSICIAN AND CASUALTY OFFICER (Male).

Salary in each case £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, should reach the Secretary-Superintendent not later than the 8th March.

Warneford General Hospital,
LEAMINGTON SPA.
(164 Beds.)

Required, a RESIDENT HOUSE PHYSICIAN to commence on 28th March. Six months' appointment. Salary £150 per annum, with board and laundry.

Applications from qualified registered Medical Practitioners, stating age and full particulars, together with three recent testimonials, should be sent to the undersigned by Wednesday, 9th March, 1938.

EDWARD L. WIRGMAN, House Governor and Secretary.

East Sussex County Council.
SOUTHLANDS HOSPITAL, SHOREHAM-BY-SEA.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from fully qualified Male registered Medical Practitioners (unmarried) for the post of Assistant Resident Medical Officer at Southlands Hospital, Shoreham-by-Sea, near Brighton. The appointment is for one year. Salary £300 per annum, with board, residence, and laundry. The Hospital (350 Beds) is a general hospital, under the administration of the East Sussex County Council. The duties of the post will be mainly concerned with surgical cases (including children) and the administration of anæsthetics, but there are also opportunities for medical and obstetrical experience.

Applications should be made on a form obtainable from the undersigned at the County Hall, Lewes, and must be returned to him by Tuesday, the 8th March, 1938.

HUGH J. T. MCILVEEN, Clerk of the County Council.

County Hall, Lewes, February, 1938.

Jenny Lind Hospital for Children,
NORWICH.

Applications are invited for the post of RESIDENT MEDICAL OFFICER. Salary £120, with board, residence, and laundry.

Candidates (Male or Female) who must possess registered qualifications, should forward applications, stating age, experience, &c., together with copies of testimonials, to the undersigned, not later than the first post on Wednesday, 9th March, 1938.

FRANK INCH, Secretary.

25th February, 1938.

Warrington Infirmary and Dispensary.

The post of THIRD RESIDENT will fall vacant on 1st April, 1938, and applications are invited from Male candidates, who must be duly qualified Medical Practitioners and unmarried. Salary at the rate of £150 per annum, with board, lodging, and laundry.

At the expiration of six months' term of office and subject to the recommendation of the Medical Board the Third Resident is appointed Second Resident (Salary £175 per annum) and then Senior Resident (Salary £250 per annum) for similar periods. Candidates should therefore be prepared, if successful, to remain at the Hospital for eighteen months in all.

Applications, stating age and qualifications, accompanied by copies of three recent testimonials, should be sent in not later than first post on Tuesday, 8th March. Chosen candidates will be interviewed on Friday, 11th March, 1938.

By order,
HENRY L. BOOT, Superintendent and Secretary.

22nd February, 1938.

Salford Royal Hospital.
(256 Beds.)

Applications are invited from duly registered candidates (Male) for:—

HOUSE PHYSICIAN.
HOUSE SURGEONS (Three).
CASUALTY HOUSE SURGEON.

for six months from 1st April. Salary £125 per annum.

Forms of applications, obtainable from the undersigned, should be delivered on or before 8th March.

By order of the Board,
H. B. SHELSWELL,
General Superintendent and Secretary.

City and County of Bristol.
ASSISTANT MEDICAL OFFICER OF HEALTH FOR AIR-RAID PRECAUTIONS.

The Corporation of Bristol invite applications for the post of Assistant Medical Officer of Health for Air-raid Precautions.

The gentleman appointed must have received training in Air-raid Precautions and have knowledge of anti-gas work. He will be required to devote the whole of his time to his duties and will not be allowed to engage in private practice. He will work under the direction of the Medical Officer of Health.

The appointment will be temporary in the first instance and will be subject to two months' notice on either side, and the selected candidate will be required to pass a medical examination.

The salary will be £500 to £700 per annum, according to experience.

Applications must be made on a prescribed form, which may be obtained from the undersigned, and must be delivered at the Council House, Bristol, 1, not later than 12th March, 1938. Envelopes should be endorsed "Assistant Medical Officer of Health." Canvassing of members of the Council, either directly or indirectly, will disqualify.

JOSIAH GREEN, Town Clerk.

The Council House, Bristol, 1, February, 1938.

Chesterfield and North Derbyshire
ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

CASUALTY OFFICER AND FRACTURE HOUSE SURGEON.

Applications are invited from fully qualified Men for the above post, to commence as soon as possible.

The appointment is for six months. Salary at the rate of £200 per annum, with board, apartments, and laundry.

The duties include the post of House Surgeon to the Director of the Fracture Clinic, under whose care the whole of the fractures, both in- and out-patients, are treated and deputy to the Resident Surgical Officer.

Candidates for this post should have had special fracture experience.

Applications, stating age, together with copies of three recent testimonials, should be sent to the undersigned as early as possible. M. H. BOONE, Superintendent and Secretary.

8th February, 1938.

Barrowmore Tuberculosis Sanatorium
AND SETTLEMENT, GT. BARROW, Nr. CHESTER.

HOUSE PHYSICIAN (Male) required at beginning of April.

The appointment is for six months, and is renewable. Salary £150 per annum, with board, residence, and laundry.

The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital and Sanatorium accommodation, extensive workshops for graduated work, and a Settlement.

Special treatment, Sanocrysin and Artificial Pneumothorax given.

Applications marked "House Physician" with copies of three testimonials, should be sent to the Medical Director at the above address, not later than 17th March, 1938.

Free Eye Hospital, Southampton.

The Committee require the services of a duly qualified HOUSE SURGEON to enter on duties on 1st April, 1938.

Salary £150 per annum, with board, residence, and laundry. Post-graduate experience in Ophthalmology is desirable.

Applications, with three recent testimonials, to reach the Secretary by 19th March, 1938.

City of Sheffield.
ASSISTANT TUBERCULOSIS OFFICER.

Wanted, a Male (unmarried) Assistant Tuberculosis Officer to reside at WINTER STREET HOSPITAL, and to devote his whole time to the Municipal Tuberculosis Scheme.

Salary £350 per annum, rising to £550 per annum by annual increments of £25, with board, residence, and laundry.

The office has been designated as an established post under the Local Government and Other Officers' Superannuation Act, 1922.

Applications, stating age, qualifications, and experience, with copies of three testimonials, to be sent on or before March 15th, 1938, to the Medical Officer of Health, Town Hall, Sheffield.

Victoria Hospital, Burnley.
(150 Beds.)

HOUSE PHYSICIAN (Male).

Applications are invited for the above post, which will become vacant on the 8th March. The duties include the giving of a certain number of anæsthetics. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry.

At the end of this period, reappointment may be applied for, and if granted, the salary for the second six months will be at the rate of £200 per annum.

Applications, giving full details of qualifications and experience, stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

Birmingham and Midland Hospital for
WOMEN.

HOUSE SURGEON (Man or Woman) wanted for six months from 1st April, 1938. Salary to be at the rate of £100 per annum.

Applications, with full particulars and copies of testimonials, to be sent not later than 12th March to HUGH C. ASTON, 45, Newhall-street, Birmingham 3.

County Mental Hospital,
RAINHILL, Nr. LIVERPOOL.

Wanted, ASSISTANT MEDICAL OFFICER (Female) Locum Tenens required for 2 to 3 months. Seven guineas per week, with board, lodging, and laundry.

Apply immediately, giving full particulars of experience, &c., to the Medical Superintendent, County Mental Hospital, Rainhill, near Liverpool.

24th February, 1938.

Manchester Royal Eye Hospital.

HOUSE SURGEON required. Salary £120 per annum, with residence, board, &c.

Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management.

H. R. NORTH, General Superintendent and Secretary.

St. Mary's Hospitals, Manchester.

Two HOUSE SURGEONS for the WHITWORTH ST. WEST HOSPITAL (Maternity); and One for the WHITWORTH PARK HOSPITAL (Gynæcological Department) each for a period of six months from the 1st May next. Salaries at the rate of £50 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned on or before the 17th March.

R. RATCLIFFE, Secretary.

City of Birmingham.

SELLY OAK HOSPITAL. (520 Beds.)

RESIDENT PHYSICIAN.

Applications are invited for the above whole-time appointment from fully qualified registered Medical Practitioners who have had good medical experience and who should hold the degree of Doctor of Medicine of one of the Universities of the United Kingdom or who should be members of the Royal College of Physicians of London.

Furnished quarters, rations, laundry, and attendance will be provided, or alternatively a cash allowance will be paid if the officer appointed should be non-resident.

Salary will be £650, rising by annual increments of £50 to a maximum of £900 per annum, together with the emoluments stated above.

The appointment will be dependent on the candidate passing a medical examination and be subject to the Birmingham Corporation's Superannuation Scheme, and the Birmingham Municipal Officers' Widows' and Orphans' Pensions Scheme (if applicable). The appointment will be terminable by one month's notice on either side.

Further particulars of the appointment may be obtained from the Medical Superintendent of the Hospital.

Applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, and endorsed "Physician," should be sent to the Medical Superintendent not later than Wednesday, 23rd March, 1938.

F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham.

Bracebridge Heath Hospital, near LINCOLN.

SECOND ASSISTANT MEDICAL OFFICER.

The Committee of Visitors invite applications for the above whole-time appointment from gentlemen, under 40 years of age, who are duly qualified and registered Medical Practitioners. Previous Mental Hospital experience essential.

The commencing salary will be £475 per annum, plus emoluments of unfurnished house, fuel, light, water, rates, laundry, vegetables and cleaning materials valued for superannuation purposes at £75 per annum.

Subject to 12 months' service, satisfactory to the Committee, an increase of £25 will be granted and thereafter increases of £25 per annum up to a maximum cash salary of £575. An additional £50 per annum will be paid to the holder of the D.P.M. qualification or to a person on obtaining the D.P.M. after appointment.

The successful candidate will be required to pass satisfactorily a medical examination and to join the scheme under the Asylum Officers' Superannuation Act, 1909. The appointment is subject to one month's notice on either side.

Form of application can be obtained from the Clerk of Hospital and should be returned with copies of three recent testimonials not later than the first post on the 19th March, 1938, addressed to the Medical Superintendent.

The Queen's Hospital, Birmingham.

(The Birmingham United Hospital.)
(Medical School.)

RESIDENT SURGICAL REGISTRAR required as from May 1st, 1938.

Candidates must be F.R.C.S. England, Edinburgh, or Ireland, or have passed the Primary F.R.C.S. England, and must have held a Resident appointment in a Teaching Hospital.

Salary £125 per annum with usual emoluments.

Applications, with recent testimonials, to be sent to the undersigned (from whom all further particulars may be obtained) by March 19th. P. CROCKER, House Governor.

The Mount Vernon Hospital (for CANCER), NORTHWOOD.

—There is a vacancy for a HOUSE SURGEON. Salary £150 per annum, with board, lodging, &c. Applications to be addressed to the Secretary, 32, Fitzroy-square, W.1.

SUDAN MEDICAL SERVICE

One MEDICAL INSPECTOR is required for the Sudan Medical Service to proceed to the Sudan at the end of June, 1938.

The selected candidate will be required to take the Course at the London School of Tropical Medicine, from April 4th, 1938, to June 24th, 1938. Fees and a subsistence allowance provided by the Sudan Government.

Candidates must be British-born, single, under thirty years of age, and have held a Resident appointment in a large General Hospital. Pay in the Sudan commences at £E720 a year, rising to £E1200 after thirteen years' service. On confirmation of his appointment the selected candidate will be eligible for pensionable service.

Applications (in writing only), with copies of recent testimonials, should be made to Dr. HODSON, 69, Harley-street, W.1.

Newark General Hospital.

(66 Beds.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). Salary at the rate of £175 per annum, with board, residence, and laundry. The appointment is for six months, and may be renewed for a further term of six months. Duties to commence on or about April 1st, 1938.

Applications, stating age and hospital experience, together with copies of three recent testimonials, should be forwarded to the undersigned immediately.

B. C. DION, Joint Secretary.

City of Bradford.

SANATORIUM—GRASSINGTON.

ASSISTANT MEDICAL OFFICER required.

Appointment tenable for one year at a salary of £175 per annum, plus board and lodgings.

Forms of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 23rd March, 1938.

N. K. FLEMING.

Town Hall, Bradford, 26th February, 1938.

City of Norwich.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER, &c.

Applications are invited for the post of Assistant Medical Officer of Health and Assistant School Medical Officer to include the duties of Medical Officer with residence at the Isolation Hospital. Salary £600 per annum (including emoluments valued at £150 per annum), rising by annual increments of £25 to £700 per annum. Board allowance at the rate of £60 per annum granted when absent from hospital on leave. The post is designated under the Local Government and Other Officers' Superannuation Act, 1922.

For particulars apply to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications for the post must be received not later than 21st March, 1938.

Manchester and Salford Hospital for SKIN DISEASES.

(54 Beds. 14,500 Out-patients per annum.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon. Must be registered. The appointment is for six months. Salary at the rate of £150 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned, Quay-street, Manchester, not later than March 15th.

JOHN NALL, Secretary.

City of Stoke-on-Trent.

STANFIELD SANATORIUM.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male) at Stanfield Sanatorium. Candidates must be single. Previous institutional experience in Tuberculosis will be an advantage.

Salary at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, together with board and lodgings. The selected candidate will act under the immediate direction of the Tuberculosis Officer.

Applications, endorsed "Resident Medical Officer," together with copies of three recent testimonials, to be sent to the undersigned not later than Monday, 21st March, 1938.

E. B. SHARPLEY, Town Clerk.

Town Hall, Stoke-on-Trent, 4th March, 1938.

County Council of Middlesex.

Applications are invited for the appointment of RESIDENT ASSISTANT MEDICAL OFFICER at WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH. Candidates must be registered Medical Practitioners who have held resident appointments in a general hospital.

The officer appointed will work under the direction of the Medical Superintendent and will devote the whole of his time to his official duties.

Salary £400 per annum, rising by annual increments of £25 to £475 per annum, with board, lodging, and laundry.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council and is terminable by one month's notice on either side.

The appointment, which does not at present carry any superannuation rights, is for a period of four years, at the end of which period the officer will leave the Council's service. In a special case the Council may decide to retain an officer on the established staff, in which case the salary will be increased to a maximum of £500 per annum.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 19th March. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Assistant Medical Officer, West Middlesex County Hospital."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1.
28th February 1938.

County Council of Middlesex.

ANÆSTHETIST

WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH.

Applications are invited from registered Medical Practitioners for the above appointment. Candidates must have held resident appointments in a general hospital, and must be specially skilled and experienced in the administration of anæsthetics by modern methods. The officer appointed will be required to administer anæsthetics, and to carry out such other duties as may be allotted to him.

Salary £400 per annum, rising by annual increments of £25 to £475 per annum. The successful candidate will be required to reside within a short distance of the hospital and will be paid a cash allowance of £100 per annum in lieu of residential emoluments.

The appointment (which will be subject to medical examination, will be held during the pleasure of the Council and will be terminable by one month's notice on either side) is for a period of four years, at the end of which period the officer will leave the Council's service. In special cases the Council may decide to retain an officer on the established staff, in which case the salary will be increased to £500 per annum, which will be the maximum for a non-resident officer in this grade.

The officer appointed will work under the control of the Medical Superintendent, will devote the whole of his time to official duties, and will have no rights under the Council's superannuation scheme.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 19th March. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Resident Anæsthetist, West Middlesex County Hospital."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1.

28th February, 1938.

N.B.—The West Middlesex County Hospital is a General Hospital with accommodation for approximately 500 acute and 600 non-acute cases.

County Council of Middlesex.

PHYSICIAN.

Applications are invited from registered Medical Practitioners for the pensionable appointment of Physician to the COUNTY SANATORIUM, HAREFIELD. Applicants are expected to hold high qualifications, and to have devoted themselves wholly or chiefly to the practice of clinical medicine, with special experience in the treatment of pulmonary tuberculosis.

The successful candidate will work under the direction of the Medical Superintendent, and the whole of his time must be given to his official duties. He must be prepared to act as consultant to general medical practitioners outside the sanatorium if called upon so to do, to undertake the teaching of post-graduate students if required, and to carry out such other duties as the Council may from time to time direct.

The appointment is non-resident and the successful candidate will be required to reside within a short distance of the sanatorium. The appointment, which will be subject to medical examination, will be held during the pleasure of the Council, and is terminable by three months' notice on either side.

Salary £1000 per annum (including living-out allowance of £150 per annum), rising by annual increments of £50 to £1500. The salary is inclusive, and any fees received by the officer appointed must be paid over to the Council.

The Harefield County Sanatorium, which accommodates 378 patients (men, women, and children), has just been completely rebuilt and embodies many new features in hospital construction.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than March 19th. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Physician, Harefield County Sanatorium."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1.

28th February, 1938.

Victoria Hospital, Worksop.

(92 Beds.)

A JUNIOR RESIDENT (Male) is required to take up duty on April 1st. Salary at the rate of £125 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, and stating age, qualifications, and nationality, to be sent to the undersigned. The appointment is for six months renewable.

JAMES BOOTHROYD, Secretary-Superintendent.

Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.

Applications are invited for the post of non-resident whole-time ASSISTANT PATHOLOGIST. Duties to commence if possible on April 11th.

Commencing salary £500 per annum.

Candidates must be duly qualified Medical Practitioners.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned on or before 25th March.

ARTHUR R. CASH, General Superintendent.

County Council of Middlesex.

APPOINTMENT OF OBSTETRIC SURGEONS.

Applications are invited from registered Medical Practitioners for the following appointments on the pensionable staff. The appointments are senior ones in the Council's general hospital service, and applicants are expected to be medical men or women of high qualifications and professional attainments, who have devoted their time wholly or chiefly to the practice of obstetrics and gynæcology. The successful candidates will work under the direction of the Medical Superintendent of the respective hospitals, and the whole of their time must be given to their official duties. They must be prepared to undertake the teaching of students, if required, and to carry out such other duties as the County Council may from time to time direct.

REDHILL COUNTY HOSPITAL, EDGWARE.

SENIOR OBSTETRIC SURGEON.

Salary £850 per annum, rising by annual increments of £50 to £1350 per annum, together with a non-resident cash allowance of £150 per annum in lieu of emoluments.

NORTH MIDDLESEX COUNTY HOSPITAL, Silver-street, EDMONTON, N.18.

OBSTETRIC SURGEON.

Salary £500 per annum, rising by annual increments of £50 to £750 per annum, and, after eight years' service, by two further increments of £50 to £850 per annum, together with a non-resident cash allowance of £150 per annum in lieu of emoluments.

The successful candidates will be required to reside within a short distance of the hospitals to which they are appointed. In the case of an unmarried officer, if accommodation is available, full residential emoluments may be provided in lieu of the non-resident allowance.

The above salaries are inclusive and any fees received by the officers appointed must be paid over to the County Council.

The appointments, which will be subject to medical examination, will be held during the pleasure of the Council and are terminable by three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 19th March. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Obstetric Surgeon."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1.

28th February, 1938.

County of Kent.

VENEREAL DISEASES CLINIC, CANTERBURY.

Applications are invited from registered Medical Practitioners (Male), who are duly qualified in accordance with the regulations of the Ministry of Health, for the Part-time appointment of MEDICAL OFFICER of the above-mentioned clinic which is at the Kent and Canterbury Hospital.

One half-day session will be held each week and the remuneration will be at the rate of three guineas a session with an allowance for travelling.

The appointment will be terminable at any time by one month's written notice on either side.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials should reach the County Medical Officer of Health, Sessions House, Maidstone, not later than the 17th March, 1938.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 26th February, 1938.

East Suffolk and Ipswich Hospital.

(350 Beds—8 Residents.)

Applications are invited for the following posts, vacant on 1st April:—

HOUSE PHYSICIAN;

HOUSE SURGEON TO THE EAR, NOSE, AND THROAT DEPARTMENT;

AND TO AN ASSISTANT SURGEON.

Salary for each office at the rate of £144 per annum, with board, apartments, and laundry.

Applications from British Male candidates, together with copies of three recent testimonials, to be sent to the undersigned immediately.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 5th March, 1938.

Taunton and Somerset Hospital,

TAUNTON.

HOUSE SURGEON (Male) required March 25th. Salary, rate of £125 per annum, board, residence, and laundry, and the retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary.

Wingfield-Morris Orthopædic Hospital,

HEADINGTON, OXFORD.

HOUSE SURGEON (Male) required for six months from 1st May. Salary at the rate of £100 per annum, with board, lodging, and laundry.

Applications (with testimonials) to be sent on or before April 1st to Professor GIRDLESTONE.

Doncaster Royal Infirmary.
(185 Beds.)

Applications are invited for the post of FRACTURE HOUSE SURGEON, who will be required to carry out his duties under the direction of an Honorary Orthopædic Surgeon. The resident Medical Staff of the Hospital numbers six and this appointment will be considered the senior. Salary paid will be £200 minimum, or according to experience.

Applications, accompanied by copies of three recent testimonials, to be forwarded to the undersigned.

R. LANCASTER, Secretary-Superintendent.

County Borough of West Bromwich.
HALLAM HOSPITAL. (472 Beds.)

HOUSE SURGEON.

Applications are invited from duly qualified Male registered Practitioners for the above-mentioned post.

The appointment is for six months, with eligibility for a further six months. Either party may give six weeks' notice terminating the appointment. There is a visiting staff of eight physicians and surgeons, one resident surgical officer, and three resident medical officers.

Salary £200 per annum, and board residence. All fees received by the person appointed will be payable into the funds of the Council.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded to the Medical Officer of Health, 2, Lodge-road, West Bromwich, so as to arrive not later than by first post on Wednesday, 16th March, 1938.

ALFRED WICKHAM, Town Clerk.

Town Hall, West Bromwich, 2nd March, 1938.

Hertford County Hospital.
(169 Beds. 3 Residents.)

Applications are invited for the post of HOUSE PHYSICIAN (Male).

Salary £150 per annum, with board, residence, and laundry. Duties to include Casualty. The appointment is for six months in the first instance.

Applications, together with copies of three recent testimonials, should be forwarded to the undersigned not later than 15th March, 1938. PERCY G. BROOKS, Secretary.

County Borough of Walsall.
MANOR HOSPITAL.

ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified persons for the appointment of Assistant Medical Officer (resident) at a commencing salary of £350 per annum, rising by £25 per annum to £425 per annum, together with emoluments valued at £125 per annum.

The person appointed should have had special experience in obstetrics and will be responsible, under the direction of the Medical Superintendent, for the Obstetric and Children's Wards and Antenatal Sessions. The Department is supported by a Consultant.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Applications, stating age, professional qualifications, and experience, accompanied by not more than three copies of testimonials, should be sent to the Medical Officer of Health, Health Department, Council House, Walsall, not later than 26th March, 1938.

3rd March, 1938.

Royal Eye Hospital, Pevensey-road,
EASTBOURNE.

NON-RESIDENT HOUSE SURGEON required to commence duty forthwith. Salary £100 per annum and allowance in lieu of board-residence £175 per annum.

Applications, stating age, qualifications, and Ophthalmic experience, together with recent testimonials, should reach the undersigned as soon as possible.

Before engagement candidates have to be interviewed by the Hon. Surgeon by appointment, from whom further particulars could be obtained in person.

H. BYGRAVE, Hon. Secretary.

County Borough of Stockport.
PUBLIC HEALTH AND ASSISTANCE COMMITTEE.
STEPPING HILL HOSPITAL.
(453 Beds.)

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Practitioners for the post of Resident Assistant Medical Officer (Male) at the above Hospital.

Salary £350 per annum, with board, residence, and laundry.

The appointment is for one year.

The person appointed will be required to devote the whole of his time to the duties of the office.

The appointment is determinable by one month's notice on either side.

Experience in Surgery and Obstetrics will be a special recommendation.

Applications, stating age, qualifications, and experience, together with copies of three testimonials are to be sent to the undersigned endorsed "Assistant Medical Officer."

H. BARLOW, Public Assistance Officer.

Public Assistance Offices, Shaw Heath, Stockport.

25th February, 1938.

Gloucestershire County Council.

TWO ASSISTANT COUNTY MEDICAL OFFICERS OF HEALTH.

Gloucestershire County Council invite applications for the appointments of two Assistant County Medical Officers of Health.

The salary in each case will be on the scale £500–£25–£700 per annum, and past local government service will be counted in assessing the commencing salary. Travelling and subsistence allowances will be paid in accordance with the Council's scale.

The posts are designated for the purposes of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidates will be required to pass a medical examination by the Council's medical adviser. Applicants must be registered Medical Practitioners and should hold a Diploma in Public Health. Previous experience in various branches of public health and school medical work is desirable.

Forms of application, with particulars of the duties and conditions of appointment, may be obtained from the County Medical Officer of Health, Shire Hall, Gloucester, to whom completed applications, with copies of three recent testimonials, should be sent not later than the 21st March, 1938.

Canvassing, directly or indirectly, will disqualify.

RICHARD L. MOON, Clerk of the County Council.

Shire Hall, Gloucester.

Wrexham and East Denbighshire
WAR MEMORIAL HOSPITAL.
(129 Beds.)

Two RESIDENT HOUSE SURGEONS required by the above Hospital (Male or Female) to commence duty on April 1st, 1938. Appointment is for six months. Salary £150 per annum with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent, together with copies of three recent testimonials, to the undersigned immediately.

LESLIE SPENCER, Secretary.

March 1st, 1938.

The Royal Army Medical Corps
ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Laboratory Technician desires post.
Bacteriological and biochemical examination of specimens. Expert in Hæmatology and photomicrography. Qualified X ray operator. If necessary, can bring complete laboratory equipment.—Address, No. 362, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Assistant, qualified in Bacteriology,
required in Analytical Laboratory in the Provinces South.—Reply, stating experience and salary expected, to No. 372, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Exceptional opportunity for Gentleman
with Capital to establish himself in good-class PRACTICE in central and very pleasant part of London. No Panel or Midwifery.—Address, No. 377, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

For Sale.—South Suburban Practice,
twelve miles south of London, in rapidly growing district. Audited receipts 1936–37 £890. Two years' purchase. Panel 800. Modern house and garage for sale with above.—Address, No. 374, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Good Working-class Practice for
disposal in large Midland City. Gross receipts 1936–37 over £1500. Panel exceeds 2000. Scope for considerable increase. Good house, Freehold, ample accommodation, separate entrance to consulting-rooms and dispensary. For further particulars and purchase price of house and practice apply J. S. STREETS AND CO., Chartered Accountants, 44, Silver-street, Lincoln.

London.—Cora Hotel,
Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors. Modern comforts.

Excellent table. A.A. and R.A.C. recommended.

Room, bath, and table d'hôte breakfast, 8s. 6d.

A few rooms 9s. 6d. and 10s. 6d. per person.

HARLEY STREET AND MEDICAL DISTRICT
For all types of available accommodation.

BERTRAM & CO.

Surveyors and Estate Agents.

43, New Cavendish-street, W.1. Welbeck 3703.

Balham.—Shop Premises. Suitable for
Surgery. Rooms (side door) let. Shop, parlour, K. & S., vacant. Rent £80 per annum inclusive.—Apply R. POATE & CO., Balham-hill. (Battersea 3008).

BOVRIL MEDICAL AGENCY, Ltd.

ALDINE HOUSE,
10-13, BEDFORD STREET, STRAND, LONDON, W.C.2.

Telegrams: BOVMEDICAL, LESQUARE, LONDON. *Telephone:* TEMPLE BAR 1616 (3 lines).

Chairman and Managing Director, **Dr. J. FIELD HALL.**

The Maximum Commission payable on the sale of any Practice or Partnership in Great Britain, placed exclusively in the hands of this Agency is £50 (fifty pounds) which sum covers goodwill, drugs, surgery, fittings, fixtures and furniture, instruments and book debts, but not house property. Schedule of Terms will be forwarded on application.

NO CHARGE IS MADE TO PRINCIPALS FOR THE INTRODUCTION OF LOCUM TENENS OR ASSISTANTS.
Accountancy and Legal Services furnished by the Agency, where desired, at moderate inclusive charges.

PRACTICES AND PARTNERSHIPS FOR SALE.

1. NORTH LONDON.—Old-estab. PRACTICE worked as a lock-up producing about £1900 p.a., including panel of over 3300. Surgery premises on rental. Purchaser can choose own residence. Premium £3700.
2. SOUTH WALES.—Old-estab. PRACTICE held by vendor (who is taking up an appointment) 13 years. Gross cash receipts over £1800 p.a., chiefly derived from panel and appointments. House has ample accommodation. Premium 2 years' purchase or near offer.
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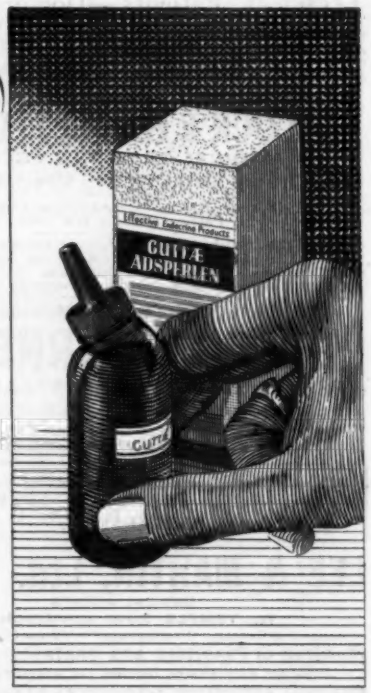

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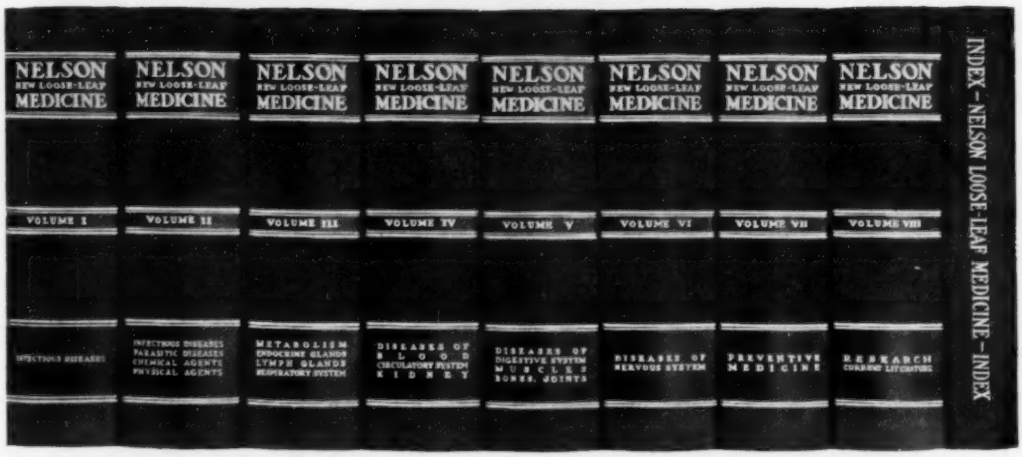

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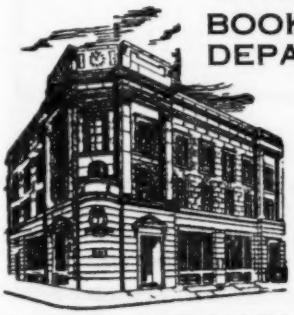

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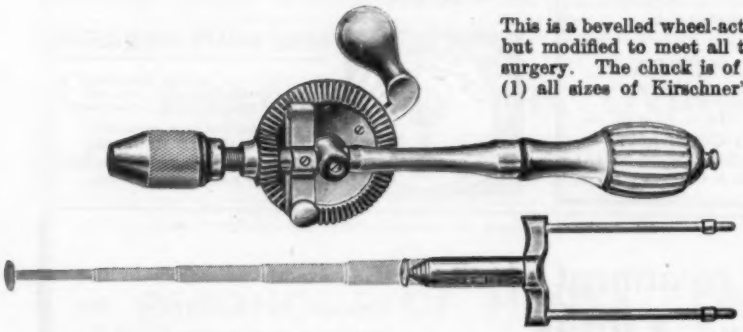

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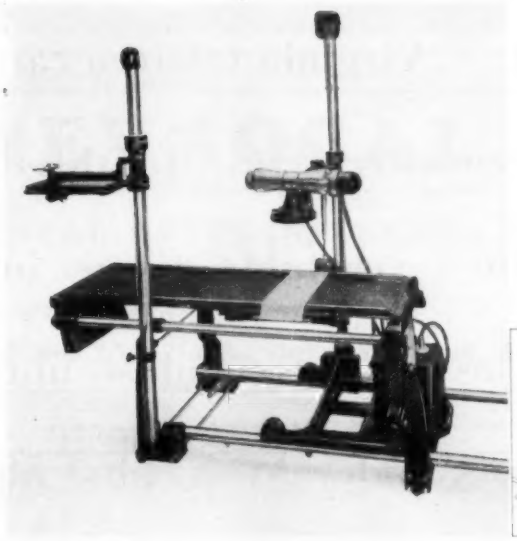

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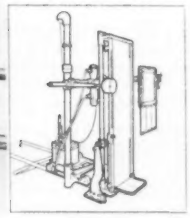

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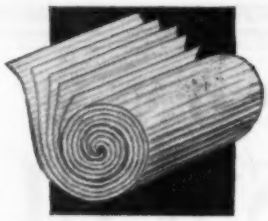

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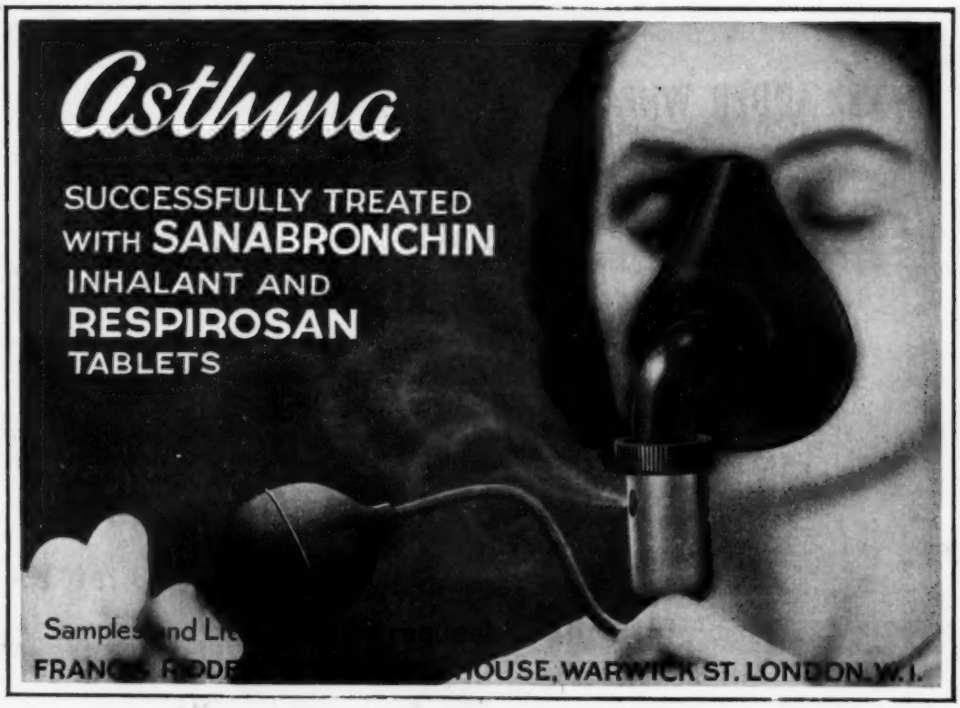

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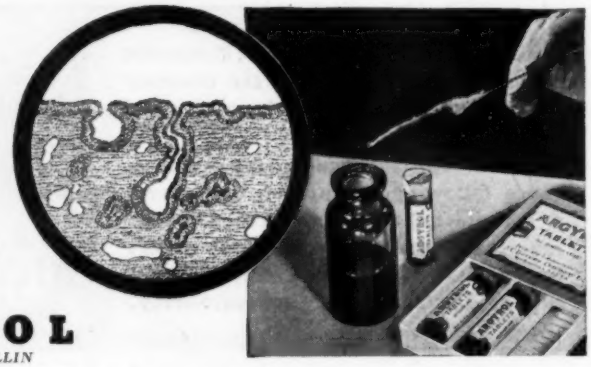

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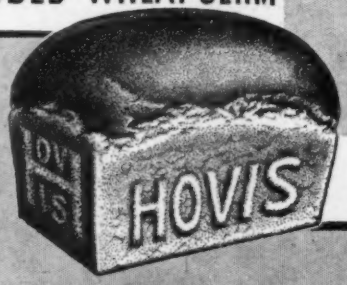

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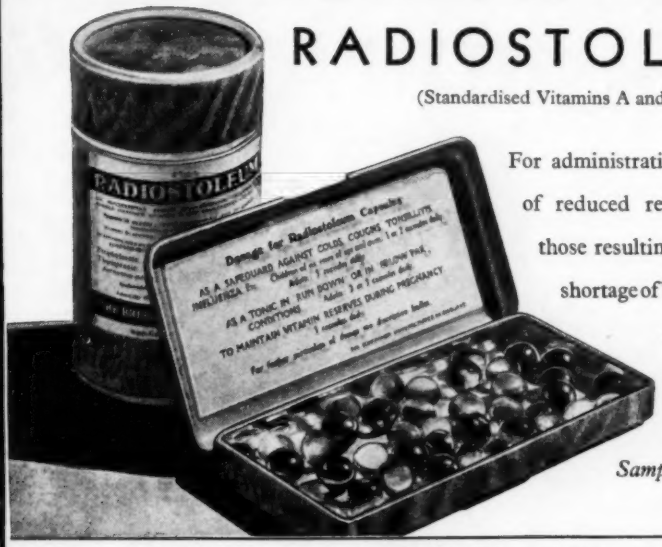

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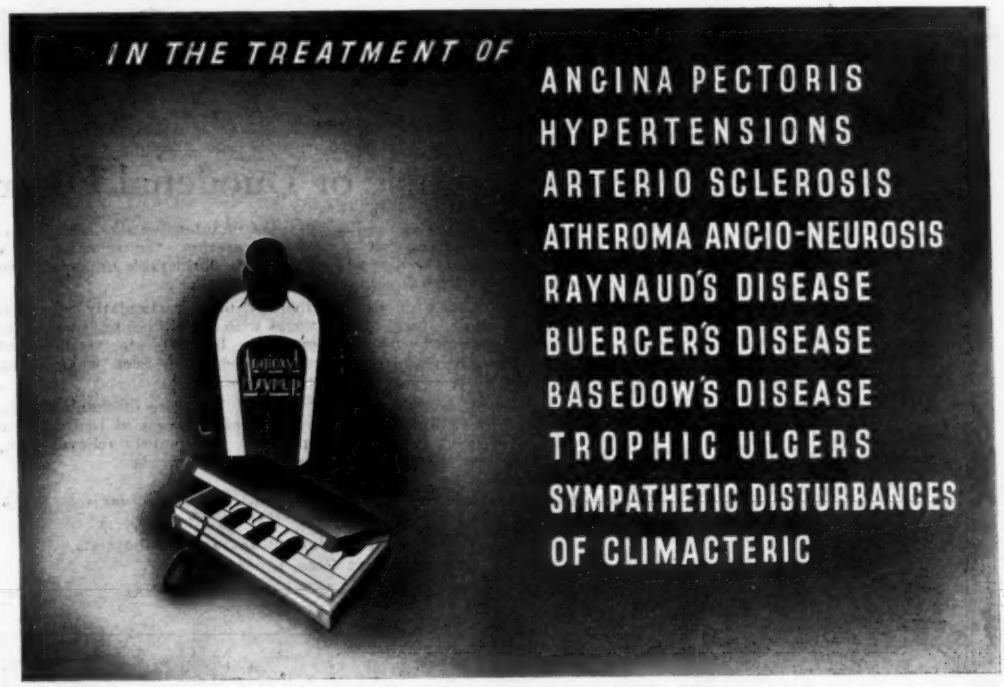

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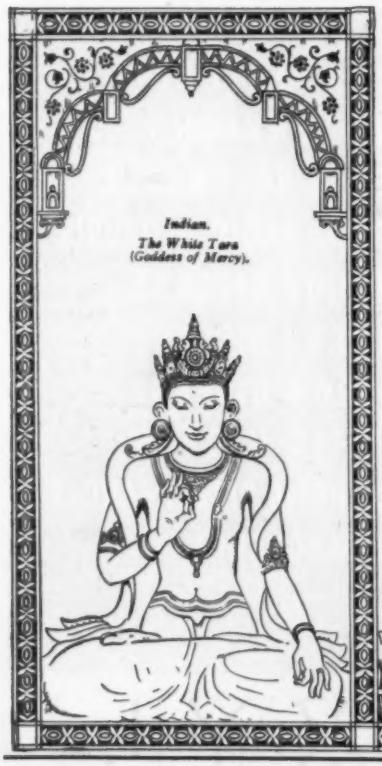
Telephone : LANGHAM 3744
Telegrams: ANTLAB, WESLO, LONDON



"ALOCOL"

Colloidal Hydroxide of Aluminium

For Gastric or Duodenal Ulcer

IN view of the increasing adoption of intensive alkaline medication for gastric and duodenal ulceration, the selection of a suitable antacid agent is a matter of considerable importance to the general practitioner.

"Alocol" allows of antacid therapy in a particularly effective, safe and reliable form, and replaces with advantage mixtures composed of sodium bicarbonate, magnesia, bismuth, etc. It does not determine any unpleasant secondary reactions, even when taken in strong doses and over a long period of time.

The powerful antacid effect of "Alocol" is more mechanical than chemical in nature. It acts by adsorbing excess of hydrochloric acid, thus facilitating its elimination. It promptly relieves pain, and being non-absorbable is free from toxic sequelæ.

Complete chemical history of "Alocol," with convincing clinical reports and supply for trial sent free to physicians on request.

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Works: KING'S LANGLEY, HERTFORDSHIRE.

M262

ALASIL

Better Salicylate Therapy

WHATEVER be the season of the year, there is a wide sphere of utility for "Alasil," the improved form of salicylate medication. "Alasil" is a very definite advance on ordinary compounds of salicylic or acetyl-salicylic acid both in therapeutic efficiency and in freedom from unpleasant gastro-intestinal sequelæ. This high tolerability is due to the fact that "Alasil" is composed of calcium acetyl-salicylate—the least irritating of the salicylate compounds—and "Alocol" (Colloidal Hydroxide of Aluminium), a powerful gastric sedative and antacid.

A careful series of experimental tests has recently shown that "Alasil" is more completely absorbed than ordinary salicylate compounds, and that it is practically free from the risk of liberating free salicylic acid in the stomach. Wide clinical experience anticipated these findings by demonstrating that the use of "Alasil" can be pushed or prolonged to a much greater extent than ordinary salicylate compounds, and that it can be given with equal safety to children, adults, the aged, and patients with finely-balanced digestive capacities.

A supply for clinical trial with full descriptive literature sent free on request.

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M269

Disease-emaciation

"EVERY medical practitioner knows how difficult it is to nourish a patient suffering from disease-emaciation. . . . Do we not all recognise the fact that the starving tissues are fed, not by the food swallowed by the patient, but by the amount of nutrient matter absorbed by the gastric and intestinal mucous membrane? If we could ensure the absorption of nutriment into the blood, the problem of nutrition in disease would be reduced to a matter of mere chemistry and mechanical feeding. . . . Judging from clinical results, 'Sanatogen' appears in many cases to possess some power of ready absorbability, without which the richest foodstuff represents simply so much foreign matter in the stomach and intestines. . . . My own experience of 'Sanatogen'. . . is that it stays the diarrhœa —ten or twelve motions a day are thereby reduced to one or two; it stops vomiting, and it improves general conditions and causes the patient to put on flesh."

"NUTRITION IN WASTING DISEASES OF CHILDREN AND ADULTS"
(*Medical Press and Circular*)

"THIS condition, which results from imperfect digestive or absorptive power, or which may follow stomatitis, pyloric stenosis, deformity of the tongue or palate, tuberculosis or syphilis, is most frequently associated with improper feeding. Fats in such cases are not well tolerated, but the contrary is true with respect to proteids. . . . The use of 'Sanatogen', in these cases, proved so satisfactory that we have been encouraged to try it in other cases of infantile atrophy, and have had almost equally pleasing results in a number of patients suffering from this condition. It is quite apparent that 'Sanatogen' has considerable power in influencing nutrition. . . ."

"INFANTILE ATROPHY"
(*Practitioner*)

"I HAVE before me the records of forty cases fed with 'Sanatogen'. They show, what was obvious to myself and the nurses when watching the cases, that these patients wasted less during the acute stage, and picked up more rapidly during the convalescent stage, than patients who did not have 'Sanatogen'. This fact, indeed, was soon recognised by the ward sister, without my having in any way drawn her attention to it. . . . I am firmly convinced that it is a most valuable food for the typhoid patient."

"THE TREATMENT OF TYPHOID FEVER"
(*Medical Times*)

DOSAGE: For children and adults two teaspoonfuls three times daily, or according to circumstances. For infants ½ teaspoonful added to each bottle feed.

SANATOGEN

(*Trade Mark*)

The word 'SANATOGEN' is the Trade Mark of Genatosan Ltd., and denotes their brand of casein and glycero-phosphate of sodium.

Sold by all chemists price 2/3 to 19/9

Clinical samples and literature available on request to

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REPORTS AND ANALYSES

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THIS is a sparkling wine of the champagne type prepared from imported grape must and fermented in this country by suitable selected champagne yeasts. The treatment of the wine during and after fermentation is the same as carried out in the well-known wine houses in France. When analysed the following results were obtained :—

Alcohol (by volume)	12·0 per cent.
Equivalent to proof spirit	20·65 ,,
Total extractives	3·93 ,,
Consisting of—	
Invert sugar	1·97 ,,
Cane sugar	0·29 ,,
Fixed acidity (as tartaric acid)	0·51 ,,
Mineral matter, &c.	1·16 ,,
Volatile acidity (as acetic acid)	0·06 ,,

The wine has the appearance, composition, and general properties of an ordinary dry French champagne. It is light and pleasant to the palate, and has an agreeable aroma. The manufacturers would seem to have succeeded in making, in this country, an attractive and wholesome wine closely resembling the imported product.

THE LANCET, JULY 6, 1935

• When convalescents need a *pick-me-up*

Moussec can be recommended with confidence. Moussec is sparkling wine produced from selected champagne grapes, fermented and matured in this country by the authentic champagne process. A special process of refinement gives to Moussec a purity and digestibility specially suited to invalids. It provides the valuable stimulus of champagne at an everyday price. The shilling "baby" bottle, which fills one champagne glass, provides daily Moussec in convenient form and keeps the wine keen and full of life until wanted for use. (Other bottlings up to 6/6).

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OF
LIVER

IN THOSE CASES OF **PERNICIOUS ANÆMIA** WHERE FLUID EXTRACT OF LIVER IS REQUIRED, 'GLANOID' CONCENTRATED FLUID EXTRACT OF LIVER REPRESENTS THE HIGHEST STANDARD OF QUALITY AND RELIABILITY AND IS THE PREPARATION OF CHOICE.

1 OZ. OF THE EXTRACT IS EQUIVALENT TO ½ LB. OF FRESH LIVER.

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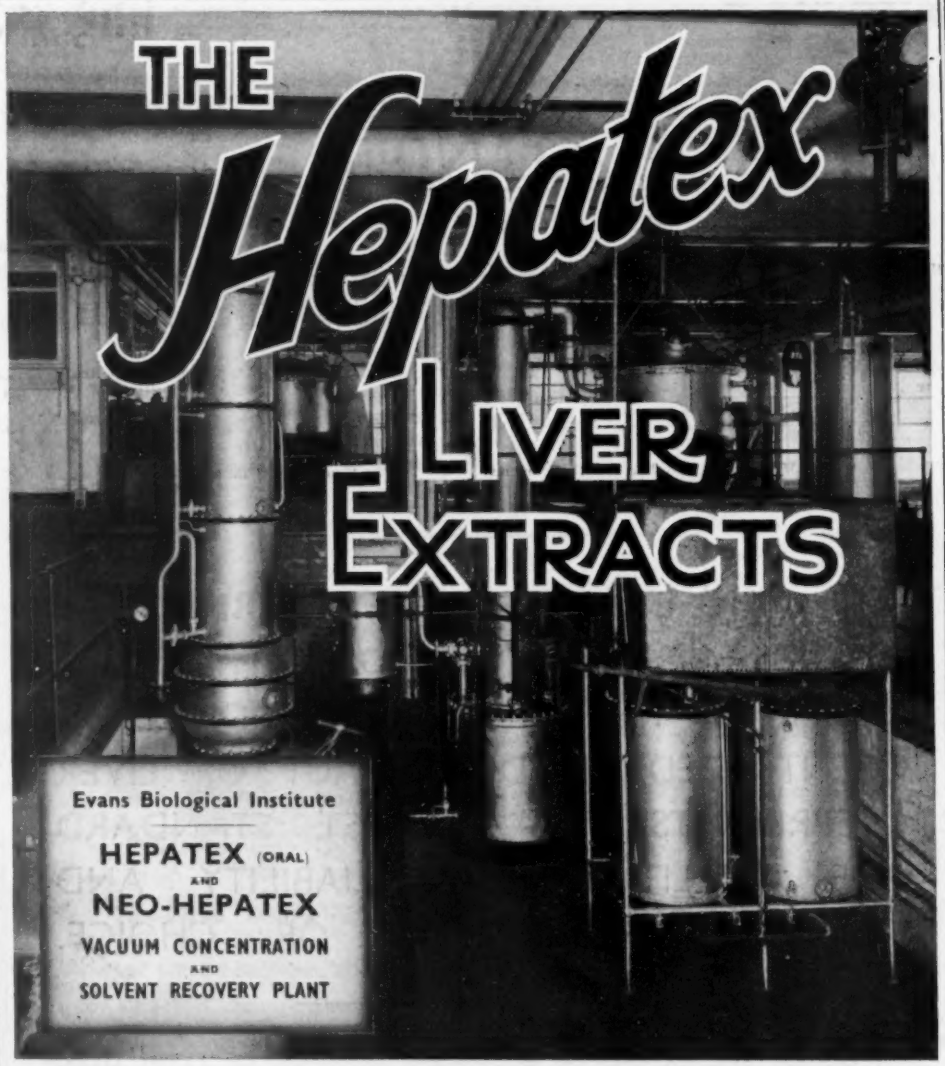
Telephone: NATIONAL 2424 **Telegrams: "ARMOSATA-CENT" LONDON**



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(Parenteral)

Prolonged and world-wide experience of Neo-Hepatex has proved that no other liver product surpasses it in potency.

The combined advantages of high hæmopoietic power and low price render treatment with Neo-Hepatex remarkably economical in cost.

Neo-Hepatex is issued in ampoules:
Boxes of 6 x 1 cc. 5/-; 6 x 2 cc. 7/6; 3 x 4 cc. 6/6

Evans Sons Lescher & Webb Ltd.

LIVERPOOL and LONDON

"Vitamin B_1 deficiency an outstanding fault in the diet of many millions of people"

(British Medical Journal, 16 Oct., 1937, p. 753)

The reduction in Vitamin B_1 intake, due to changes in dietary habits during the last hundred years, normally amounts to at least 50 per cent., and may be as much as 70 per cent. It has been demonstrated, both experimentally and clinically, that a shortage of Vitamin B acts as a limiting factor in the maintenance of health and nutrition, and often results in gastro-intestinal disorders, loss of appetite, indigestion, constipation and, if long continued, contributes to neuritis and arthritis.

The logical way to rectify such shortage is to restore to the diet the Vitamin B-containing substance whose removal is responsible for the deficiency.

This substance is available in the form of Bemax.

1. For years it has been the policy of the proprietors of Bemax to ensure its Vitamin B_1 activity by biological assay of *every day's output*. So far as is known, Bemax is the only food product for which such a claim is or can be made.

2. The quantity of Vitamin B_1 supplied by the normal daily dose of Bemax—one tablespoonful—is 200 International Units, an amount sufficient to raise a deficient diet to an optimal level.

3. The normal daily dose of Bemax supplies, in addition to Vitamin B_1, significant quantities of Vitamins B_2 and B_6, Copper, Iron and Phosphorus as well as rich quantities of Vitamin E and other essential dietary elements.

4. Bemax is an entirely natural product consisting only of stabilised wheat germs selected for their Vitamin B_1 activity with no addition whatsoever.

BEMAX

A unique natural source of accessory nutritional factors.

Clinical sample and literature on request.

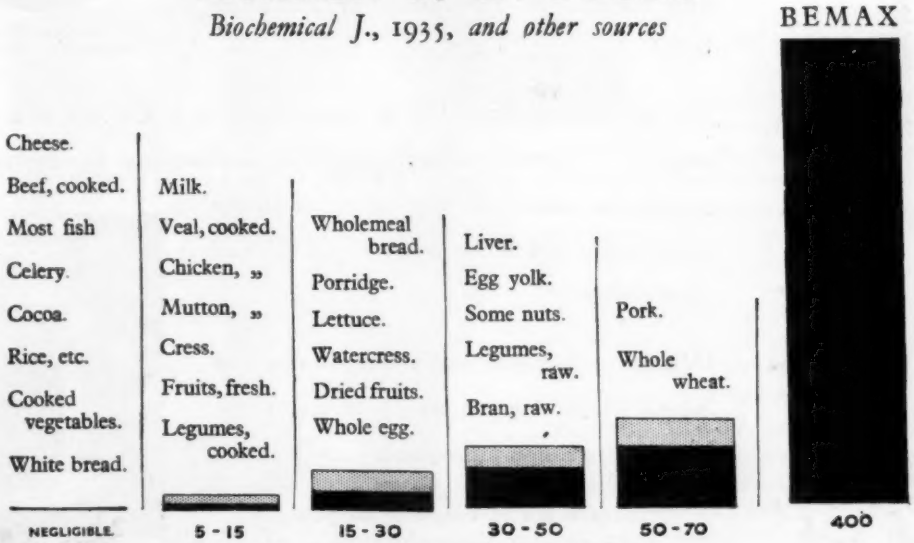
BOAT RACE

We have space at the Bemax Factory Wharf at Hammersmith Reach for about 400 members of the medical profession and friends to view the Oxford and Cambridge Boat Race to be held on April 2nd. Early application for tickets should be made.

The Bemax Laboratories (Dept. L.51), 23, Upper Mall, London, W.6.

VITAMIN B_1 IN FOODS

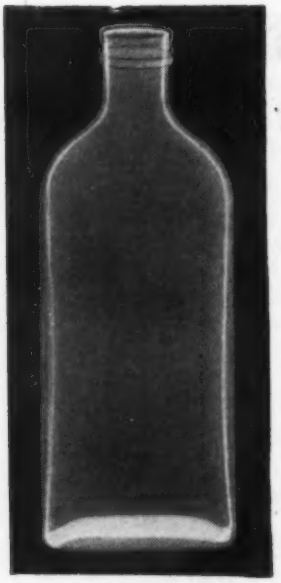
Biochemical J., 1935, and other sources



The figures represent International Units per ounce.

Laboratory reports on Bemax, and a clinical sample for personal trial sent on request.

The Bemax Laboratories (Dept. L.51), 23, Upper Mall, London, W.6.

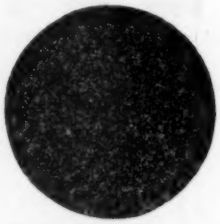


X-ray reveals uniform density of Agarol.

. . . Agarol has had a physical examination

THE x-ray says: "Look for uniform density throughout as evidence of soundness". Agarol brand Compound *is* a thoroughly uniform emulsion that acts the same way with every dose.

The microscope says: "Look for the small uniform oil globules" as a sign of thorough emulsification of Agarol. It means stability, freedom from oiliness, ready miscibility with water, milk, fruit juices or any other liquid.



The microscope shows extremely fine division of oil in Agarol.

The pharmacist says: "If it pours freely, it is the sign of a good emulsion." Agarol is a good mineral oil emulsion that has thoroughly proved its value in the relief of acute constipation and in the treatment of habitual constipation.

Descriptive literature and a liberal supply of Agarol supplied gratis to Members of the Medical Profession on request.

Agarol is not advertised to the public

Agarol brand Compound is available 4½, 7½ and 17 ounce bottles.
The average adult dose is one tablespoonful.

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In Rheumatic Conditions

℞

COLLOSOL SULPHUR ʒ viii
Sig. ʒ i thrice daily, after meals, in a wineglassful of water.

Alternate weekly with
COLLOSOL IODINE ʒ x
Sig. ʒ i or ʒ ii thrice daily, after meals, in a wineglassful of water.

As auxiliary measures
COLLOSOL SULPHUR BATHS
ʒ iv mitte xii
Sig. one bath every fourth day.

COLLOSOL IODINE OIL ʒ i
Well rubbed in every night.

The success of Collosol Iodine and Collosol Sulphur used separately indicated that as both drugs fill an important place in the treatment of infective and other conditions such as Early Rheumatoid Arthritis, Muscular Rheumatism, Fibrositis, Sciatica, etc., by alternating the treatment a valuable addition to the armamentarium of the practitioner would be afforded. Actual clinical results prove that the combination does produce the results expected from theoretical considerations.

COLLOSOL IODINE is unaccompanied by the disadvantages usually associated with iodine treatment. It remains stable in the gastric juices and is absorbed in the tissues.

COLLOSOL SULPHUR, unlike the ordinary pharmaceutical preparations of sulphur, readily combines with proteins in the intestinal tract and is entirely absorbed.

Special monograph upon application.

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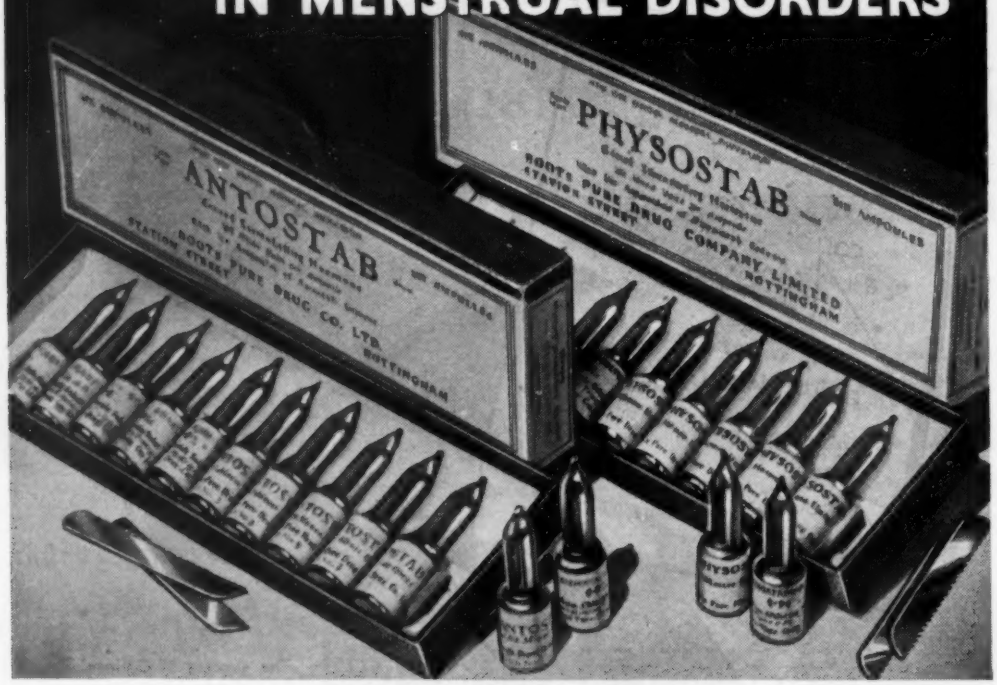
GONAD STIMULATION THERAPY IN MENSTRUAL DISORDERS



ANTOSTAB

Supplied in boxes containing ampoules of 100 mouse units, together with ampoules containing 1 c.c. of 0.90% Sodium Chloride Solution as a solvent for Antostab. Single ampoules and boxes of 6 ampoules.

ANTOSTAB is prepared from pregnant mares' serum and contains the follicle-stimulating factor which has a definite effect on the ovaries and in producing endometrial proliferation.

Clinical reports published in the *British Medical Journal*, 1937, November 6th, page 904, show that in cases of amenorrhoea, the menstrual cycle may be re-established by treatment with Antostab and that following treatment the menstrual rhythm continues normally.

PHYSOSTAB

Supplied in boxes containing ampoules of 100 mouse units, together with ampoules containing 1 c.c. of 0.90% Sodium Chloride Solution as a solvent for Physostab. Single ampoules and boxes of 6 ampoules.

PHYSOSTAB is prepared from human pregnancy urine and contains the luteinising hormone.

It is of value during the second half of the menstrual cycle when it stimulates the production of corpora lutea.

Successful results have been obtained with Physostab in the treatment of undescended testicles and of dystrophia adiposogenitalis.

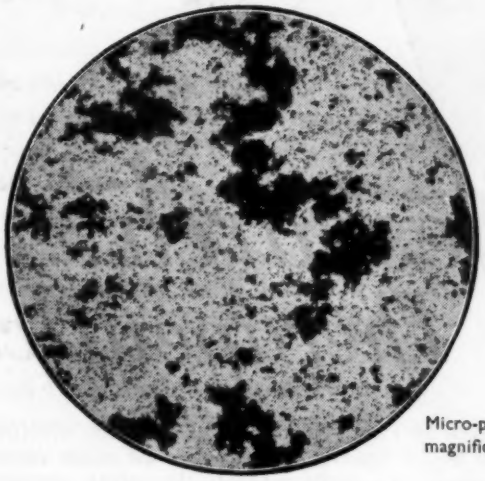
LITERATURE SENT ON REQUEST

WHOLESALE & EXPORT DEPT.

BOOTS PURE DRUG CO. LTD.

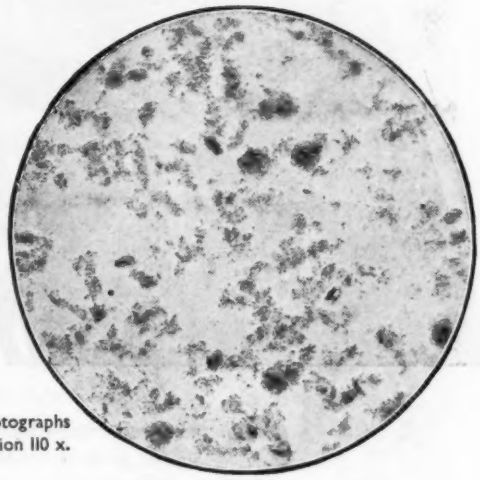
NOTTINGHAM • ENGLAND

Visual evidence of the minute sub-division of 'BiSoDoL'



An antacid powder compounded by ordinary methods.

Micro-photographs magnification 110 x.



'BiSoDoL' reduced to fine sub-division by special processes in compounding.

Comparison shows a remarkable distinction in the state of sub-division between an ordinary antacid powder and 'BiSoDoL.'

'BiSoDoL' is composed of Bismuth Subnitrate, Magnesium Carbonate, Sodium Bicarbonate, Papain, Diastase and Peppermint Oil, compounded by a special process. It conforms to the most recent demands of modern gastro-intestinal therapy.

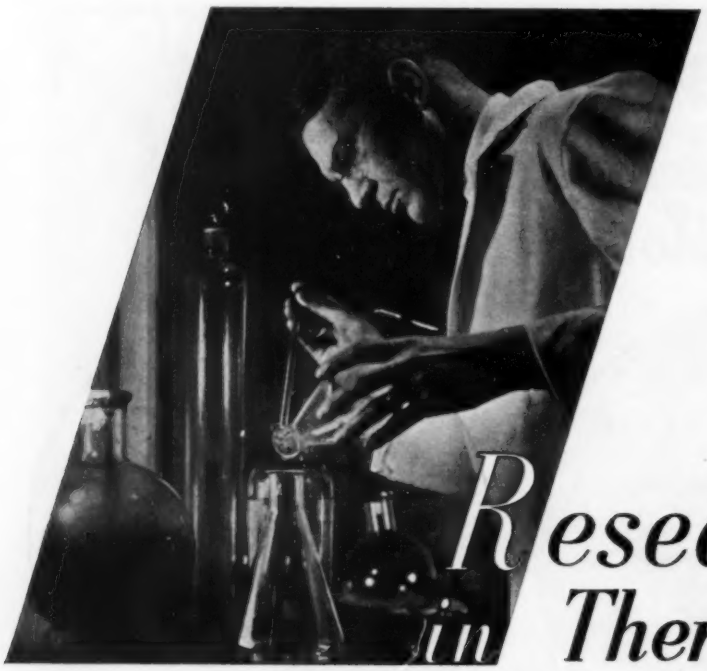
'BiSoDoL' can be recommended with confidence in all conditions involving hyperacidity.

Samples for clinical trial will gladly be sent on request.

BiSoDoL

REGD.

BISODOL LTD., 12 CHENIES STREET, LONDON, W.C.1. Telephone: MUSeum 9024



Research.... in Therapeutics

The research work undertaken by Parke, Davis & Co., since the establishment of the firm more than half a century ago, has resulted in the introduction into medicine of many admittedly valuable therapeutic agents. Prominent among these have been ADRENALIN, PITUITRIN, CASCARA SAGRADA and VENTRICULIN.

To Parke, Davis & Co. there must also be credited the application, for the first time, of chemical standardization of drugs which was begun in 1882, and later in 1895 of physiological standardization of non-alkaloidal products which gained official recognition thirty-seven years later in the British Pharmacopœia, 1932.

Research is being carried on continuously, and necessarily over a widened area. In the Research Laboratory a staff of about 70 persons is engaged on this work, months, and sometimes years, being devoted to the completion of an investigation which may even then prove fruitless.

Examples of successful research work are furnished by investigations on the hormones of the pituitary gland which resulted in the introduction of PITOCIN, PITRESSIN, ANTUITRIN "S" and ANTUITRIN "GROWTH."

Parke, Davis & Co. are definitely committed to a perpetuation of this long-established policy of scientific research which may be expected to lead to equally important developments in the future.

PARKE, DAVIS & COMPANY

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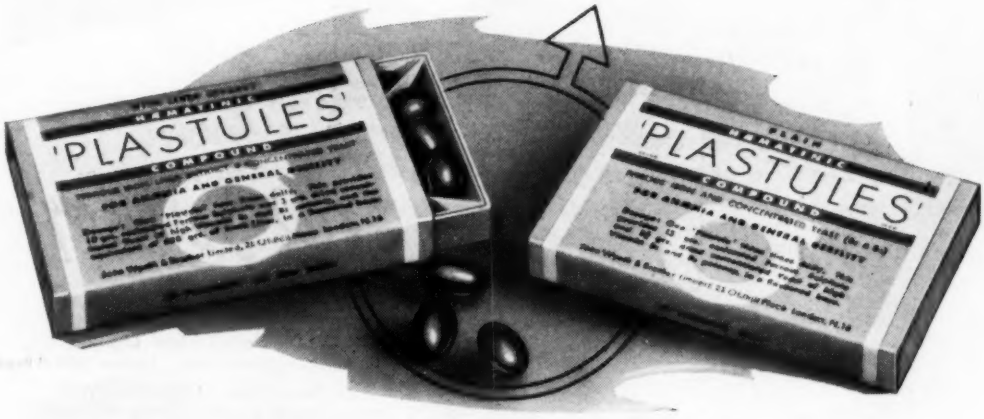
Send for Samples and Literature



JOHN WYETH & BROTHER LIMITED, 25, OLDHILL PLACE, LONDON, N. 16.

A notable advance in tuberculin testing

TUBERCULIN PATCH TEST (VOLLMER)

Lederle

TUBERCULIN PATCH TEST (VOLLMER) consists of a strip of adhesive tape measuring 1 x 3 inches, on which there are three 1 cm. squares of filter paper—the control in the centre, the concentrated tuberculin-saturated squares on either side. Apply to the defatted skin (defatted with acetone, preferably) over the sternum or on the forearm, remove 48 hours later and read after 24 hours more have elapsed. A positive reaction will be manifested by a marked redness or a papillary eruption of the skin where the twin tuberculin patches have lain, as compared with the control.

The patch test is supplied ready for immediate use.

There is no pain, no trauma and no need for instruments that need to be sterilised. Constitutional reactions have never been encountered when this test was applied.

Moreover, comparative clinical tests performed on several hundred tuberculosis-infected children indicate that the Tuberculin Patch Test is superior in its sensitiveness to the Von Pirquet Test.

The method is especially useful when a large number of tests are performed at one time.

Available in packages of 1, 10 and 100 tests.

Chas. F. Thackray LTD

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Successful Treatment

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PROSEPTASINE

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Benzyl-sulphanilamide

the 'safer' sulphonamide, is fully as active and much less toxic than sulphanilamide. For oral administration in the treatment and prophylaxis of streptococcal infections.

Bottles of 25 tablets each 0·5 gm.

SOLUSEPTASINE

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Disodium - p (γ-phenyl - propyl - amino) - benzene - sulphonamide-α-γ-disulphonate.

the colourless sulphonamide for intravenous and subcutaneous injection. For use in urgent cases and where oral medication is impossible.

Boxes of 6 ampoules, each 5 c.c. or 10 c.c.

In anti-streptococcal therapy PROSEPTASINE and SOLUSEPTASINE show the maximum potency, the greatest margin of safety and the highest therapeutic ratio of any anti-streptococcal agent yet produced.

There is evidence that these drugs are effective in *B. Coli* infections.

Samples and literature will be sent on request.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD.
Dagenham

ELI LILLY AND COMPANY LIMITED

Pharmaceutical and Biological Products

TRADE MARK **'LEXTRON'** BRAND

Liver-Stomach Concentrate with Iron and Vitamin B Complex

IN "SECONDARY" ANAEMIAS

In anaemias of the microcytic type, the response to 'Lextron' brand liver-stomach concentrate with iron and Vitamin B complex is rapid. When he prescribes 'Lextron' the physician is assured that his patient will receive all the materials essential to blood regeneration in anaemias of this class.

'Lextron' brand liver-stomach concentrate with iron and Vitamin B complex is supplied in bottles of 42, 84, and 500 'Pulvules' brand filled capsules.

Prompt Attention Given to Professional Inquiries

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Distributing Agent in Britain for

ELI LILLY AND COMPANY, INDIANAPOLIS, U.S.A.

DIPHTHERIA PROPHYLACTIC

Purified Toxoid with Aluminium Hydroxide

and

Purified Toxoid in Isotonic Solution

for use by the method described by Claus Jensen

This Diphtheria Prophylactic consists of a toxin that has been detoxicated by means of formaldehyde and heat; it has been subjected also to a process of purification by means of which most of the non-specific proteins, salts and other inert substances present in the crude toxoid have been removed. Before distribution, the purified diphtheria toxoid is mixed with a sterile suspension of aluminium hydroxide.

The recommended dosage is a single injection of 1 c.c. of a 'purified toxoid with aluminium hydroxide,' followed four weeks later by nasal instillation of the 'purified toxoid in isotonic solution.' Such instillation does not in any way trouble the children, and may well be carried out by the mother or visiting nurse.

It has been found that while a single injection will render the majority of children immune against diphtheria after a lapse of a few weeks, a second, and even a third, injection is necessary to render the remaining children immune. The nasal instillation of purified toxoid in isotonic solution has been found an effective substitute for subsequent injections.

Diphtheria Prophylactic is issued in sets, each set containing

1 c.c. ampoule of purified diphtheria toxoid with 10 per cent. aluminium hydroxide (for injection)

2 c.c. vial of purified diphtheria toxoid in isotonic dilution (for instillation)

1 nasal dropper

Literature on request

THE BRITISH DRUG HOUSES LTD. LONDON N.1

VS/S/19

Standardised by the Medical Profession for all illnesses involving or arising from weaknesses of the digestive system.

Physicians may obtain full particulars of Benger's Food and other preparations for the treatment of disorders of the digestive system, post free. Address: BENGER'S FOOD, Ltd., Otter Works, Manchester.

M.275

BENGER'S Food Reg. Trade Mark

Head Office: MANCHESTER. | NEW YORK (U.S.A.): 41, Maiden Lane. | SYDNEY (N.S.W.): 350, George Street. | CAPE TOWN (S.A.): P.O. Box 732.

Response to Minadex observed in over 1,000 Children convalescent from fevers

In 6 oz. bottles, 2/6. 12 oz. 4/6; 80 oz. winchesters, 22/6. Less usual discount. These prices do not apply in Eire.

SYRUP MINADEX enables practitioners to give one tonic where two were needed before. It combines, in one effective and pleasant preparation, the active principles of both Syr. Ferri Phosph. Co. and Cod-Liver Oil, together with reinforcing "trace" minerals.

At a leading London fever hospital Syrup Minadex is employed as the sole tonic for the children's wards. In two years over 1,000 children have received it there and a testimony* demonstrates how valuable a part of the ward routine it has become.

Any child not eating well — straight on to Minadex. That is now their rule. "The speedy way in which Minadex restores appetite is quite remarkable. And the evident enjoyment of Minadex by all children bears full witness to its acceptable flavour . . . A much larger dose of iron can be tolerated by children when given as Syrup Minadex and, contrary to expectation, Minadex is slightly laxative. We consider ourselves fortunate to have found a tonic so safe that we can prescribe it for every case from whooping cough to measles, even at the acute stage.

" . . . . Always can we be confident that Minadex will have a dependable restorative effect."

* *Nutrition — Journal of Glaxo Laboratories, Vol. 4. No. 3.*

Syrup MINADEX

THE "2 IN 1" RECONSTRUCTIVE TONIC

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

A HIGHLY SUSTAINING *cereal food*

Farex is a special reinforced cereal rich in protein and carbohydrate. It contains the protective vitamins A, B1, B2 and D, and is reinforced with calcium, iron and other tonic minerals. Moreover, Farex is palatable, easily digestible, non-irritant and non-laxative. It provides a stimulating, satisfying meal without cooking or special preparation—a great advantage in illness.

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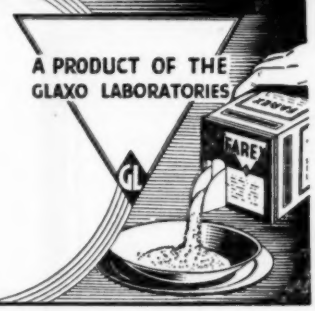

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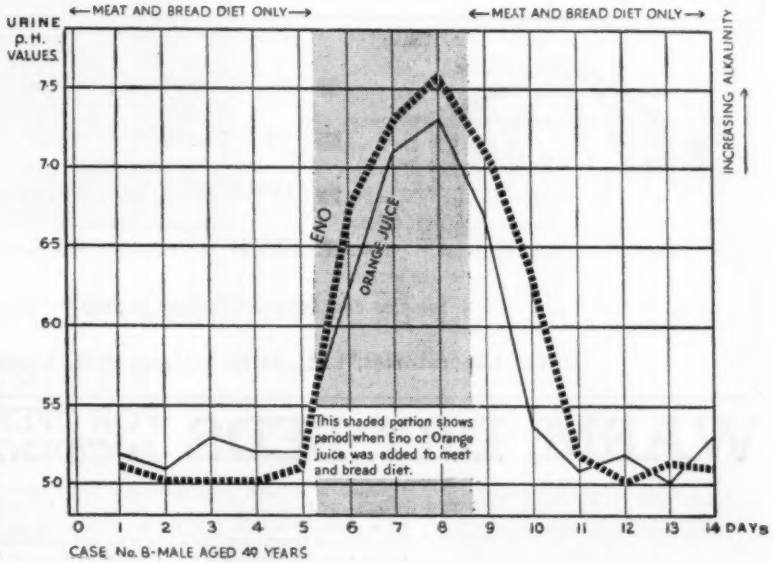

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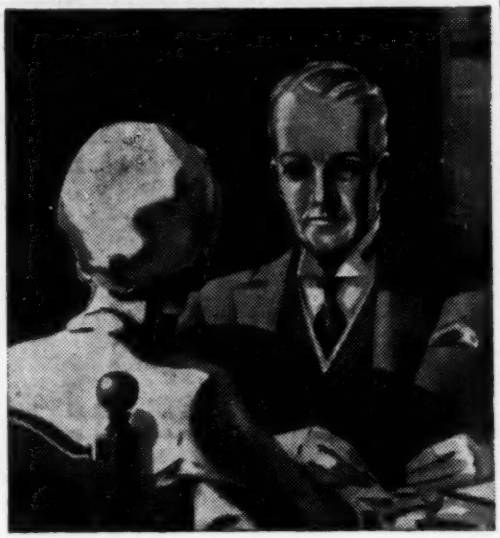

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This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

TOR-NA-DEE SANATORIUM

MURTLE, DEESIDE, ABERDEENSHIRE

FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (head-phones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

NEW LODGE CLINIC,

WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a "team" of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, and functional and organic nervous disorders.

Particulars can be obtained on application to

The Secretary, New Lodge Clinic, Windsor Forest, Berks. ***Telephone:* 181 & 182, Winkfield Row.**

ST. ANDREW'S HOSPITAL

FOR MENTAL DISORDERS,

NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 2251.

HOLLOWAY SANATORIUM, Virginia Water

A Registered Hospital for the Treatment of

Mental Disorders of the EDUCATED CLASSES

(Founded and Endowed by Thomas Holloway in 1885)

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses, as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

For Terms, apply to the Resident Medical Superintendent—

HENRY DEVINE, M.D., F.R.C.P., St. Ann's Heath, Virginia Water, Surrey

PENDYFFRYN HALL SANATORIUM

PENMAENMAWR, NORTH WALES.

All Modern Methods of Treatment Available.

Ideally situated for the treatment of Tuberculosis. Sheltered from E. & N.E. winds. Climate mild and bracing. Low rainfall, high average of sunshine. The Sanatorium is situated in its own park. There are miles of graduated walks through pine, gorse and heather, rising to 1,000 ft., and commanding extensive sea and mountain views. Central heating, electric light, X-ray installation. Wireless in all rooms. Full day and night nursing staff. Special milk supply from a tuberculin tested herd. Easily accessible from LONDON (4½ hours), MANCHESTER, LIVERPOOL, BIRMINGHAM and the North.

Resident Physicians: **Dennison Pickering, M.D.; S. A. Yaffe, M.D.**

For particulars apply to the Secretary, Pendyffryn Hall, Penmaenmawr, North Wales. 'Phone 20

CALDECOTE HALL

NUNEATON
WARWICKSHIRE

('Phone: Nuneaton 241)

Residential treatment of

Functional Nervous Disorders

including Alcoholism and other Addictions

(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Functional Nervous Disorders by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent

SHAFTESBURY HOUSE

FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No.* 8 *Formby*.

THE MARINE SPA

(under the direction of the Corporation)

TORQUAY

Newly-fitted Balneological and Electro-Medical and Russian Bath sections for recognised forms of Spa, etc., treatment, under mild winter climatic conditions.
Large Cooling Lounge, and "Vita" Glass Sun Lounge.
Warm Sea-Water Swimming Bath with modern filtration plant.
Assistants with C.S.M.M.G., and Bio-Physical qualifications.

The new illustrated 12-page Brochure post free on application.

H. Berkeley Hollyer, General Manager.
(late Manager, Brine Baths, Droitwich)

Smedley's

Great Britain's Greatest Hydro

Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studa Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARRINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**

Illustrated Brochure C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

THE CLINIC

20 Devonshire Place
London, W.1

Tel.: Welbeck 4444 (20 lines)

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.).
8 Operating Theatres.
150 State Registered Nurses.
2 Resident Medical Officers (for emergencies).

Patients only received under the supervision of their own Medical Practitioner.

Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

HARROGATE
FOR HEALTH

Harrogate specialises in the Treatment of—Disorders of the Liver—congestion, cirrhosis, jaundice, cholecystitis, cholelithiasis, and tropical liver. Also in Diseases of the Skin—eczema, psoriasis, the coccal infections of the skin, etc. The Chronic Rheumatic Diseases—Arthritis, Fibrositis, Neuritis; Gout, Hyperpiesis, Mucous Colitis, Functional Disorders of the Heart, Pelvic Disorders of Women, Convalescence from acute illness.

A wide range of Sulphur and Iron waters is available for dealing with the large group of disorders amenable to Spa treatment. Prescribed diets for Spa patients can be obtained at hotels and boarding houses without extra charge. **Complimentary and reduced price facilities for the Cure, Accommodation and Amusements are available for Members of the Medical Profession.**

Full details of Harrogate for Cure and Holiday will be sent free upon application to Spa Manager, Information Bureau, Harrogate, 2, (state if a medical enquiry).

HARROGATE
THE MODERN SPA

"IT'S QUICKER BY RAIL"
Cheap monthly return tickets to Harrogate from all stations. Any train, any day.

DR. BINSWANGER SANATORIUM BELLEVUE
KREUZLINGEN
LAKE OF CONSTANCE — SWITZERLAND

for Nervous and Mental cases
as well as all kinds of addiction
(Insulin shock treatment)

Doctor in charge: DR. LUDWIG BINSWANGER
Prospectus on application to the Management

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS
Ladies only received

The Grove, Old Catton, Norwich.
A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.
For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

CITY OF LONDON MENTAL HOSPITAL
Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

MALLING PLACE, KENT
For LADIES and GENTLEMEN of Unsound Mind
Terms moderate: Apply to Resident Medical Superintendent
Telegrams: ADAM WEST MALLING. Telephone: No. 2 MALLING

FENSTANTON
Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds
Apply: **Dr. MADELINE R. LOCKWOOD,**
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

Grove House, All Stretton, Church
STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.
Climate healthy and bracing.
Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

ASHWOOD HOUSE
KINGSWINFORD, STAFFORDSHIRE

An old-established home-like Institution for the treatment of MENTAL AFFECTIONS in BOTH SEXES. Probationary cases and non-certified patients are received as well as those regularly certified.
Full particulars as to reception terms, &c., may be obtained from the Resident Medical Officer.

HILL END HOSPITAL AND CLINIC
FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS
(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.
FEES TWO TO THREE GUINEAS PER WEEK.
For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS
CLARENCE LODGE
CLAPHAM PARK, LONDON
Situated in 3½ acres of secluded gardens.
HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.
Station: Clapham Common Tube.
Phone: Tulse Hill 4913
Apply MISS THWAITES.

THE COPPICE, NOTTINGHAM.
HOSPITAL FOR MENTAL DISEASES.
President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.
Telephone: 64117 Nottingham

COURT HALL

KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach,

Resident Physicians—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.

Telephones—Starcross 59 and Teignmouth 289.

RUSSELLS

HEMEL HEMPSTEAD ROAD, WATFORD

Telephone: WATFORD 5917

This new convalescent home has just been opened for the care and treatment of mild and recoverable mental and nervous conditions in both sexes.

The house is situated high up, in 40 acres of beautiful grounds, 17 miles from London. One Lady Doctor is in residence, and another specialist in psychological medicine is in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
Apply to Dr. HAYNES. Tel.: Brentwood 45.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—
Dr. ERNEST ROLLINS, Resident Physician.
Tel.: Amherst 1642.

Hampstead General and North-West

LONDON HOSPITAL, Haverstock-hill, N.W.3.

APPOINTMENT OF CASUALTY MEDICAL OFFICER.

Applications are invited from registered Medical Women for the resident appointment of Casualty Medical Officer for six months, vacant April 1st next, at the Out-patient Department, Bayham-street, Camden Town. Salary £100 per annum.

Application to be made on the prescribed form, together with copies of not more than three testimonials, should be returned to the Secretary by March 19th next.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, W.10.
(75 Beds.)

HOUSE SURGEON (Male) required for six months from 1st April, 1938. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence, and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned and must reach him not later than Saturday, 19th March, 1938.

H. J. ELEY, Secretary.

The Willesden General Hospital,

Harlesden-road, N.W.10.

Applications are invited from fully qualified and registered candidates (unmarried) for the appointment of a Resident Officer, to hold the appointment of CASUALTY OFFICER for a period of three months from the 1st April, 1938, followed by a six months' appointment as HOUSE PHYSICIAN (total nine months).

Salary at the rate of £100 per annum.

Applications to be received by the Secretary not later than first post on Friday, 18th March, 1938.

28th February, 1938.

Queen Mary's Hospital for the East

END, E.15.

Applications are invited for the post of CLINICAL ASSISTANT to the SKIN DEPARTMENT of the above Hospital.

Applications, accompanied by copies of recent testimonials indicating experience, from candidates who must be duly registered Practitioners, should be lodged with the undersigned not later than Wednesday, the 16th of March, 1938.

Attendance will be required weekly—namely, on Wednesday mornings at 9 A.M. RAPHAEL JACKSON, Major, Secretary.

King George's Sanatorium for Sailors,

LIPHOOK, HANTS (SEAMEN'S HOSPITAL SOCIETY), for the Treatment of Pulmonary and Non-pulmonary Tuberculosis.—ASSISTANT MEDICAL OFFICER (single, Male or Female) required as from the 15th April for six months. Salary at the rate of £200 per annum in the first instance.

Applications, with copies of not less than three testimonials, to be sent in on or before the 22nd March, to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

Greenwich, 28th February, 1938.

London Jewish Hospital,

Stepney Green, E.1.
General Hospital. (109 Beds.)

Applications are invited for the post of EAR, NOSE, AND THROAT REGISTRAR. Honorarium at the rate of Twenty Guineas per annum.

Particulars can be obtained from the Secretary, to whom candidates must send their applications and copies of three recent testimonials not later than Friday, 18th March, 1938.

AMENDED ADVERTISEMENT.

Borough of Ealing.

ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Men (single) with a Public Health qualification for the position of Assistant Medical Officer.

A candidate must have had experience in the treatment of cases of infectious disease at an Isolation Hospital. The duties will include the medical care of patients in the Chiswick and Ealing Isolation Hospital, South Ealing, and the medical inspection and treatment of school-children at schools and health centres in the borough of Ealing.

The person appointed will reside at the Isolation Hospital where furnished rooms and board will be provided.

He will be required to devote his whole time to the duties and will not be allowed to engage in private practice. The salary will be at the rate of £450 per annum, rising by £25 per annum to a maximum of £550, plus board and residence, as indicated above and valued at £150 per annum.

A deduction of 5 per cent. will be made from the salary in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, which has been adopted by the Council, and the appointment will be subject to passing the Council's medical examination in connexion therewith. Canvassing will be a disqualification.

Copies of the application forms and terms of appointment can be obtained from Dr. Thomas Orr, Medical Officer of Health, Town Hall, Ealing, W.5, to whom application, accompanied by copies of not more than three recent testimonials, must be delivered not later than the 17th March.

R. H. WANKLYN, Town Clerk.

Town Hall, Ealing, W.5.

County Council of Middlesex.

NORTH MIDDLESEX COUNTY HOSPITAL, EDMONTON.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment.

Candidates must be registered Medical Practitioners who have held resident appointments in a General Hospital.

The duties of the appointment will be mainly Obstetrical and Gynæcological. Salary £250 per annum, with board, lodging, and laundry, valued at £100 per annum.

The officer appointed will work under the direction of the Medical Superintendent, and will devote his or her whole time to official duties.

The appointment (which does not at present carry any superannuation rights, will be subject to medical examination and is terminable by one month's notice on either side) is for a period of six months in the first instance, and may be extended for an additional six months.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than March 19th. Relationship to any member or officer of the Council must be disclosed in the application.

Application forms are not provided. Envelopes must be endorsed "Junior Assistant Medical Officer, North Middlesex County Hospital." Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, February 23rd, 1938.

The Queen's Hospital for Children,

Hackney-road, E.2. (204 Beds.)

The Committee invite applications for the post of ASSISTANT PHYSICIAN, with charge of beds. Candidates must be Fellows or Members of the Royal College of Physicians, London.

Attendance in the Out-patient Department required at present on Saturday morning, but possibly also on another day to be arranged later.

An honorarium to cover travelling expenses will be paid.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom further particulars may be obtained.

CHARLES H. BESSELL, Secretary.

21st February, 1938.

INDIAN MEDICAL SERVICE

RECRUITMENT OF EUROPEAN OFFICERS

Applications are invited from Medical Men for Permanent Commissions in His Majesty's Indian Medical Service. The terms offered include a gratuity of £1,000 on retirement after six years' service, or of £2,500 after 12 years' service, together with free return passages, for those who no longer desire to remain in the Service. In other respects the terms will be as detailed below.

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

CAREERS.

The Indian Medical Service offers a permanent career with wide opportunities of medical experience, including clinical, preventive, specialist, and research work. At the beginning of his career an officer is employed on the military side, which has medical charge of the Indian Army. Promotion is on a time scale up to the rank of Lieutenant-Colonel, and by selection to the ranks of Colonel and Major-General. An officer may apply after one year's Indian Service to have his name registered for transfer to the civil side, from which appointments are made to Civil Surgeoncies, which are established at the principal civil centres to provide for the medical needs of Civil Officials and for general medical administrative purposes; to specialist (for example, public health and bacteriological) services; to research posts; and to professorships at the Medical Schools.

RATES OF PAY.

Years of Service.	Rank.	Basic Pay. Rs. per mensem.	Overseas Pay. £ per month.	Total. £ per annum.
1	Lieutenant.	450	15	585
2	Captain.	500	25	750
3	"	550	25	795
4	"	550	25	795
5	"	600	25	840
6	"	600	30	900
7	"	700	30	990
8	"	700	30	990
9	"	700	35	1050
10	"	700	35	1050
11	Major.	800	35	1140
12	"	800	40	1200
13	"	800	40	1200
14	"	800	40	1200
15	"	800	40	1200
16	"	950	40	1335
17	"	950	40	1335
18	"	950	40	1335
19	"	1100	40	1470
20	"	1100	40	1470
21	Lieut.-Col.	1350	40	1695
22	"	1350	40	1695
23	"	1350	40	1695
24	"	1500	40	1830
25	"	1500	40	1830

Note.—(1) The rupee is at present stabilised at a rate equivalent to 1*s.* 6*d.*

(2) An officer promoted to the rank of Lieut.-Colonel before completion of 20 years' service will receive pay at the rate of Rs. 1200 per mensem (basic) plus £40 per month overseas pay.

Extras.—In addition to the above rates various allowances are admissible for a large number of special appointments on both the military and the civil side which may be held by members of the Indian Medical Service. Special high rates of pay are also attached to the numerous administrative appointments open to officers in both branches of the Service.

ANTEDATES IN COMMISSION.

Candidates possessing certain higher medical qualifications or holding the Diploma in Public Health may be granted an antedate in their commissions. Past service in certain hospital appointments may also render candidates eligible for an antedate. Persons holding or about to hold resident posts at recognised hospitals may be seconded in those posts for a period. The maximum period of antedate, secondment, or antedate and secondment combined, admissible under this paragraph, is limited to 18 months.

OUTFIT ALLOWANCE.

Officers on appointment will receive an allowance of £75 towards the cost of outfit.

PRIVATE PRACTICE.

With the exception of Administrative Officers, military or civil, and officers holding certain special appointments, officers are not debarred from taking private practice, so long as it does not interfere with their proper duties.

LEAVE.

Leave can be taken at reasonable intervals, and adequate rates of leave pay are provided. Extra leave (known as study leave), which may not exceed 12 months in all during an officer's service, may be granted to officers desirous of pursuing special courses of study of a post-graduate nature. During such leave, study allowance, at present fixed at the rate of 12*s.* a day in the United Kingdom, £1 a day on the Continent of Europe, and £1 10*s.* a day in the United States of America and Canada is granted to an officer in addition to ordinary rates of leave pay.

PENSIONS.

The rates of pensions are as follows :—

	Per annum. £	s.
After 17 years' service for pension	372	0
" 18 " " "	400	0
" 19 " " "	428	0
" 20 " " "	465	0
" 21 " " "	502	0
" 22 " " "	539	10
" 23 " " "	576	10
" 24 " " "	614	0
" 25 " " "	651	0
" 26 " " "	697	10
" 27 " " "	744	0

There are additional pensions ranging from £65 to £350 per annum for officers who have held administrative appointments.

PASSAGES.

An officer on appointment is provided with free passage to India. The families of officers who are married prior to the date of the officers' embarkation on first appointment will also be provided with free passage to India, subject to the payment of messing charges. Officers and their families are also eligible for passage concessions under which they are granted a certain number of return passages home at Government expense during their service.

INSTRUCTION PRIOR TO EMBARKATION.

Officers are required to undergo courses of instruction at the Royal Army Medical College and at Aldershot, lasting approximately three months, prior to their embarkation for India on first appointment. Information as to the rates of pay admissible during this period and subsequently up to arrival in India is contained in the memorandum referred to below.

A memorandum giving full details regarding these appointments and forms of application may be obtained from the UNDER-SECRETARY OF STATE FOR INDIA, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. The Selection Committee will meet at the India Office early in April next, and the selected candidates, unless seconded for hospital appointments, will be required to join a course of instruction commencing about 1st May, prior to sailing for India in September, 1938. Applications should reach the India Office as soon as possible.

INDIA OFFICE, March, 1938.

Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of ASSISTANT PHYSICIAN at the above Hospital. Candidates must be Members of the Royal College of Physicians (London). Duties include charge of beds. There is no Out-patients' Department. Candidates will be required to call on members of the Medical Committee. Three applications, together with copies of three testimonials, should be submitted on or before Tuesday, March 22nd, 1938, to the undersigned from whom further particulars may be obtained.

F. DUDLEY HOBBS, B.A., Secretary.

St. John's Hospital, Lewisham, S.E.13.

Applications are invited for the appointment of HONORARY PHYSICIAN to the Children's Department of the Hospital. The successful applicant, who must be a Member of the Royal College of Physicians, London, will take charge of ten beds, and will be required to take one out-patient clinic weekly.

Applications, together with copies of testimonials, should reach the undersigned not later than March 14th.

J. C. GILBERT, Secretary-Superintendent.

Queen Charlotte's Maternity Hospital,
Marylebone-road, London, N.W.1.

Applications are invited from registered Medical Practitioners for the following appointment:—

RESIDENT ANÆSTHETIST, three months. Salary £100 per annum, with board, residence, and laundry allowance (4s. weekly). Appointment to commence on the 1st April, 1938.

Applications, stating age and with copies of three testimonials, should be sent to the Secretary by the 24th March, 1938.

H. B. STOKES, Secretary-Superintendent.

Hospital for Epilepsy and Paralysis,
Maida Vale, W.

RESIDENT MEDICAL OFFICER required 1st May.
HOUSE PHYSICIAN required 1st May.

Applications are invited for these posts. The salaries are at the rate of £150 and £100 per annum respectively, and the appointments are for six months. Candidates for the post of Resident Medical Officer should state if they are willing to take that of House Physician, and applications, accompanied by copies of three recent testimonials, should reach me by March 31st.

The accommodation at the Hospital does not permit of women graduates holding these appointments.

H. W. BURLEIGH, Secretary and General Superintendent.

St. George's Hospital, S.W.1.

Applications are invited for the appointment of ASSISTANT PHYSICIAN at the above Hospital. He must be a Graduate in Medicine and Surgery of a British University and a Fellow or Member of the Royal College of Physicians, London, and registered according to the Medical Act, 1858. In addition to his general medical duties, he will be in charge of a Clinic for Diseases of the Chest, in which branch of medicine he should have had special experience.

Applications, accompanied by testimonials of recent date, should be sent to the Secretary on or before 31st March, 1938.

JAMES M. CHURCHFIELD, Secretary.

2nd March, 1938.

Woolwich and District War Memorial
HOSPITAL, Shooters-hill, London, S.E.18.

GENERAL HOSPITAL. (112 Beds.)

(*a*) RESIDENT MEDICAL OFFICER.
(*b*) HOUSE SURGEON.

The Board of Management invites applications from suitably-qualified Male candidates for the following posts:—

(*a*) Resident Medical Officer. This appointment, which will be the second senior of five residents, will be for one year with effect from April 1st, 1938, and renewable for a further twelve months, if approved by the Board of Management. The salary will be £150 per annum, plus board, residence, and laundry, and the duties will include (i) Medical Registrar, and (ii) Resident Pathologist.

(*b*) House Surgeon for six months from May 1st, 1938. Remuneration at the rate of £100 per annum, plus board, residence, and laundry. In addition to his Surgical duties the House Surgeon will have the care of a Maternity unit of 8 beds.

Short-listed candidates selected for interview will be required to meet the Appointments Committee (at the Hospital) on Thursday, March 31st, 1938, at 4.45 P.M. The closing date for receipt of applications (to be submitted on the prescribed form obtainable from the Secretary) is Monday, March 28th, 1938.

R. S. G. HUTCHINGS, Secretary.

South-Eastern Hospital for Children,
Sydenham, S.E.26. (100 Beds.)

Recognised by the Examining Board for Post-graduate Study for the Diploma of Child Health.

Applications are invited for the post of RESIDENT MEDICAL OFFICER. The appointment will be for six months commencing April 1st. Honorarium £100 per annum, with board, residence, and laundry.

Applications by letter only, stating age, qualifications, and experience, with copies of three testimonials, should be received by the Hon. Medical Secretary at the Hospital by March 23rd.

St. George's Hospital, S.W.1.

Applications are invited for the appointment of PHYSICIAN to take charge of the Children's Department at the above Hospital. He must be a Graduate in Medicine and Surgery of a British University and a Fellow or Member of the Royal College of Physicians, London, and registered according to the Medical Act, 1858.

Applications, accompanied by testimonials of recent date, should be sent to the Secretary on or before 31st March, 1938.

JAMES M. CHURCHFIELD, Secretary.

2nd March, 1938.

Acton Hospital, W.3.

CASUALTY OFFICER (Male, unmarried) required to commence duties April 1st, 1938, for a three months' appointment, with promotion to Resident Medical Officer for a similar period if approved. Salary £150 per annum, with board, residence, and laundry.

Candidates must be fully qualified and registered. Application, stating age, nationality, and qualifications, should be sent, with copies of three testimonials, to the Secretary, and should arrive not later than first post Monday, March 21st, 1938.

DONALD C. D. SWORD, Secretary.

Acton Hospital, Gunnersbury-lane, Acton, W.3.

Medical Research Council.

KATHLEEN SCHLESINGER RESEARCH FELLOWSHIP.

The Medical Research Council invite applications for the Kathleen Schlesinger Research Fellowship. This Fellowship is provided from a fund established by the late Mr. Eugen M. Schlesinger and Mrs. Schlesinger in memory of their daughter. It will be awarded by the Council, under the terms of the Trust Deed, to a suitably qualified person who will devote his or her whole time "to investigating the origin and nature of cysts of the brain, whether arising from tumours or not, or to such studies of other conditions of the central nervous system as the Council may from time to time permit." It will ordinarily be tenable at the National Hospital for Diseases of the Nervous System, Queen-square, London, and for a period of one year in the first instance. The stipend will be at the rate of £300 per annum, with up to £50 per annum for research expenses.

Applications, stating age, qualifications, and research experience, together with the names of two referees, should be lodged with the Secretary, Medical Research Council, 38, Old Queen-street, Westminster, S.W.1, before the 31st March, 1938.

County Borough of West Ham.

PUBLIC HEALTH DEPARTMENT.

Applications are invited by the Public Assistance Committee for the post of ASSISTANT RESIDENT MEDICAL OFFICER (Male), at FOREST GATE HOSPITAL, Forest-lane, E.7, at a salary of £350 per annum, rising by annual increments of £25 per annum to a maximum of £450 per annum, with apartments, rations, and laundry, valued for superannuation purposes at £150 per annum, subject to the Council's Regulations as to sick pay, holidays, &c. The salary is inclusive, and any fees received must be paid to the Council.

Candidates must be qualified registered Medical Practitioners, preference being given to candidates who have had, in addition to a general hospital appointment, an appointment in a hospital where he has had charge of maternity beds.

The number of beds at the Hospital is approximately 750, and comprises chronic sick, epileptics and mental defectives, with two maternity blocks.

The successful candidate may be required to serve in any of the Council's other institutions.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, or the Poor Law Officers' Superannuation Act, 1896.

Forms upon which application must be made can be obtained from the Medical Officer of Health, Public Health Department, 88, Romford-road, Stratford, E.15, on the receipt of a stamped addressed foolscap envelope, and should be returned to the undersigned not later than 2nd April, 1938.

Canvassing members of the Council, either directly or indirectly, is prohibited, and will disqualify.

CHARLES E. CRANFIELD, Town Clerk.

Public Assistance Offices, Union-road, Leytonstone, E.11,
4th March, 1938.

HOSPITAL FOR SICK CHILDREN, GT. ORMOND ST., LONDON, W.C.1

APPOINTMENTS TO BE MADE PREPARATORY TO THE OCCUPATION OF THE NEW HOSPITAL

A RESIDENT MEDICAL SUPERINTENDENT, who is to be the Senior Resident Officer, is required on the 1st May, 1938. Salary £200 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The duties will include the medical administration of the Hospital and medical supervision of the Nursing and Domestic Staffs.

Candidates must be unmarried, possess a legal qualification to practise and have held a responsible resident appointment at a General Hospital. Special experience in infectious diseases is desirable.

Two HOUSE PHYSICIANS and Two HOUSE SURGEONS are required on the 18th April, 1938.

These appointments are tenable for six months. Salaries at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An OUT-PATIENT AURAL REGISTRAR (part-time) is required on the 1st May, 1938. Salary £175 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

Candidates must possess a legal qualification to practise and have held a responsible resident appointment at a General Hospital.

Candidates for the above appointments must attend at the Hospital to appear before the Joint Committee at 4.45 P.M. *on Wednesday, 6th April,* 1938. *Further particulars and forms of application, which must be completed and returned by noon on Monday, 4th April,* 1938, *are obtainable from the undersigned.*

March, 1938. HERBERT F. RUTHERFORD, Secretary.

Evelina Hospital for Sick Children,
Southwark, S.E.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with full board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom particulars can be obtained, not later than first post on Tuesday, 22nd March.

7th March, 1938. W. H. SIDNELL, House Governor.

British Postgraduate Medical School.

Applications are invited for the post of FIRST ASSISTANT (non-resident) in the Department of Surgery at the above-named school. Candidates should hold a higher qualification in Surgery. The post will normally be whole time. Salary £250–£500 according to experience and qualifications.

Further particulars can be obtained from the Dean of the School, Ducane-road, Shepherd's Bush, W.12, to whom applications accompanied by two testimonials, and giving the names of two referees, should be addressed, to arrive not later than first post on Monday, 28th March, 1938.

St. John Clinic and Institute of
PHYSICAL MEDICINE,
Ranelagh-road, S.W.1.

Applications are invited for the post of HONORARY CLINICAL ASSISTANT in the ORTHOPÆDIC DEPARTMENT. Preference will be given to a candidate with higher surgical qualifications and with aptitude for research.

Applications, with testimonials, should be sent to the Secretary, at the Clinic.

St. Mary's Hospital, W.2.

MEDICAL REGISTRAR.

Applications are invited for the above post.

Candidates for the appointment must be registered Medical Practitioners, and Fellows, Members, or Licentiates of the Royal College of Physicians, or Graduates in Medicine of a University in the British Empire. The successful candidate will be expected to take up his duties on 4th May.

The salary is £200 per annum, with luncheon and tea provided.

Copies of the regulations for the Medical Registrar may be obtained on application at the Secretary's Office.

Applications, with copies of testimonials, should reach the undersigned on or before Monday, 28th March.

W. PARKES, House Governor.

City of London Maternity Hospital,
City-road, E.C.1.

Applications are invited for the post of ASSISTANT RESIDENT MEDICAL OFFICER for three months from 1st April.

Salary at the rate of £80 per annum. At the end of the period the candidate will, if satisfactory, be appointed Senior for three months at £100 per annum.

Forms of application, returnable not later than March 16th, may be obtained from the undersigned.

RALPH B. CANNINGS, Secretary.

London County Council.

CONSULTANT AND SPECIALIST SERVICES.

Applications invited for appointment to undermentioned positions in hospitals service :—

(1) FULL TIME RADIOLOGIST (one position) at undermentioned group of hospitals :—
Fulham Hospital, W.6.
St. Luke's Hospital, S.W.3.
St. Mary Abbots Hospital, W.8.
St. Stephen's Hospital, S.W.10.
Salary.—£900–£50–£1100. Hours of duty.—35 a week.

(2) PART-TIME OBSTETRICIAN AND GYNÆCOLOGIST (one position) for FULHAM and St. MARY ABBOTS HOSPITALS. Salary.—£800. Officer responsible, subject to the general administrative supervision and control of the medical superintendents, for whole of Obstetric and Gynæcological work at these hospitals, will be required to live within a reasonable distance of hospitals, to visit them daily and as required.

(3) PART-TIME ANÆSTHETISTS for duty at Council's general hospitals for sessions varying from one to six a week. Salary.—£125 for one routine session a week and £75 a year for each session a week in addition. Additional remuneration at rate of £2 12s. 6d. a visit for emergency visits made in excess of number of routine sessions. Candidates will be invited to apply for appointment to a panel for attendance as required at outlying Tuberculosis hospitals. Rates of remuneration.— £4 4s. for a visit of less than 3 hours, £5 5s. for a visit of more than 3 but less than 4 hours, £6 6s. for a visit of 4 hours or more.

Application forms obtainable (stamped, addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 6), County Hall, Westminster Bridge, S.E.1, returnable by 28th March. Women eligible. Canvassing disqualifies.

Westminster Hospital, S.W.1.

A vacancy has been declared this day in the office of ASSISTANT PHYSICIAN to this Hospital. Gentlemen desirous of becoming candidates must be Fellows or Members of the Royal College of Physicians, London.

Each candidate will be required to transit a certificate of his age, and to submit thirty copies of his application, with testimonials, to the undersigned not later than Friday, 1st April, 1938, and to attend the meeting of the House Committee at 4.15 P.M. on Tuesday, 5th April, 1938.

The appointment is an open one.

By order of the House Committee.

CHARLES M. POWER, Secretary.

8th March, 1938.

London Hospital, E.1.

Applications are invited for the post of ANSTHETIST to the Department of Neurosurgery. Salary £250 per annum.

Applications, with copies of testimonials, should be sent by 2nd April to the House Governor, from whom further particulars may be obtained.

ARTHUR G. ELLIOTT, House Governor.

Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st May, 1938. Salary at the rate of £75 per annum, with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before Friday, 1st April.

F. DUDLEY HOBBS, B.A., Secretary.

Borough of Accrington.

DEPUTY MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications for the above post are invited from registered Medical Practitioners of either sex. Candidates should have had sound post-graduate experience in general clinical work, including the diseases of children, and preference will be given to a person possessing a Diploma in Public Health or an equivalent registrable qualification.

The officer appointed will be required to carry out duties in all branches of the Public Health and School Medical Services, including both clinical and administrative work. He, or she, will work under the direction of the Medical Officer of Health and will act as that officer's Deputy.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum. The post will be designated for superannuation purposes.

Forms of application and particulars of the appointment and its terms and conditions may be obtained from the undersigned, to whom the completed form must be returned not later than Monday, the 28th March, 1938.

W. H. WARHURST, Town Clerk.

Town Hall, Accrington, 9th March, 1938.

Bedford County Hospital.

Wanted, FIRST HOUSE SURGEON, to take over his duties on April 8th for a term of not less than six months. He must be fully qualified, male, unmarried. Salary £155 per annum, together with board, lodging, and laundry.

Applications, stating age, qualifications, and nationality, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

Birmingham and Midland Eye
HOSPITAL.
(114 Beds.)

Applications are invited from duly qualified Medical Practitioners for the post of HOUSE SURGEON at the above Hospital.

Salary £130 per annum (rising to £150 at the end of six months' satisfactory service), and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

Applications, with testimonials and evidence of registration, must be received not later than Thursday, March 24th, 1938.

J. W. PEARCE, General Superintendent.

Church-street, Birmingham, 3.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT ANÆSTHETIST AND EMERGENCY OFFICER (Male). The appointment will be for three months from April 1st, 1938. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates, who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four recent testimonials, to the undersigned on or before Wednesday, March 23rd, 1938.

J. A. BEARDSALL, Secretary-Superintendent.

Central London Throat, Nose and Ear
HOSPITAL, Gray's Inn-road, W.C.1.

REGISTRAR AND CLINICAL TUTOR.

Applications are invited for the post of Registrar and Clinical Tutor who will be required to give the whole of his time to the office. The successful candidate should hold one of the higher qualifications in Surgery.

Salary at the rate of £300 per annum, payable jointly by the Hospital and Post-graduation School.

Further particulars of the appointment may be obtained from the undersigned, to whom applications, accompanied by copies of three recent testimonials, should be sent on or before the 8th April next.

JOHN H. YOUNG, Secretary-Superintendent.

The Mount Vernon Hospital (for CANCER), NORTHWOOD.—There is a vacancy for a HOUSE SURGEON. Salary £150 per annum, with board, lodging, &c. Applications to be addressed to the Secretary, 32, Fitzroy-square, W.1.

North Staffordshire Royal Infirmary.
STOKE-ON-TRENT. (390 Beds.)

RESIDENT ANÆSTHETIST.

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

This appointment, which is recognised by the Royal College of Surgeons for the Diploma in Anæsthetics, will be made for six months, renewable.

Previous hospital Anæsthetic experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By Order,
W. STEVENSON, Secretary and House Governor.

8th March, 1938.

Alexandra Hospital for Children with
HIP DISEASE,
SWANLEY, KENT.
(100 Beds for Children with Bone and Joint Tuberculosis and other Orthopædic Conditions.)

Applications are invited for the post of SECOND RESIDENT MEDICAL OFFICER.

Candidates must be unmarried, and fully qualified, and should preferably hold the Diploma of F.R.C.S. (Eng.). The successful candidate will be required to take up duty on May 1st.

The appointment is for six months, with eligibility for re-election. Commencing salary £250 to £300 yearly according to qualifications and experience. Board and lodging will be provided.

Applications, stating age and giving full particulars of qualifications and previous Surgical experience, with copies of two testimonials, should be sent not later than the 21st March to the undersigned at the London Offices, 107, Southampton Row, London, W.C.1, from whom further particulars of the duties and conditions of the appointment can be obtained.

STANLEY SMITH, Secretary.

11th March, 1938.

Royal Albert Edward Infirmary and
DISPENSARY, WIGAN. (210 Beds.)

Recognised under F.R.C.S. Regulations.

HOUSE SURGEON (Male) required 1st April, 1938, for a period of six months. Salary £150 per annum, with board, apartments, and washing. Staff consists of R.S.O. and three House Surgeons.

Applications, stating age and qualifications, with copies of three recent testimonials, should be addressed to the undersigned as soon as possible.

A. STANLEY BRUNT, General Supt. and Secretary.

8th March, 1938.

Royal South Hants and Southampton
HOSPITAL.
(280 Beds.)

Applications are invited for the appointment of HOUSE SURGEON to General Surgical and Ear, Nose, and Throat Wards for the six months commencing April 1st, 1938, at a salary of £150 per annum, with board, lodging, and laundry.

Candidates must be male and applications, accompanied by not more than three testimonials, should be sent to the undersigned not later than Monday, March 21st, 1938.

S. W. BARNES, House Governor and Secretary.

County Borough of Grimsby.

CORPORATION HOSPITAL AND SANATORIUM.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male) at the above Hospital, which has 98 Beds for Pulmonary and Surgical Tuberculosis and 72 for Infectious Diseases.

Candidates must be unmarried and have previous resident hospital experience. Salary £350 per annum, rising by annual increments of £25 to £450 per annum, plus board, residence, and laundry. The appointment is to be for one year in the first instance. The post is a designated one under the Local Government and Other Officers' Superannuation Act, 1922.

Forms of application may be obtained from the Medical Officer of Health, 184, Victoria-street, Grimsby, and should be returned to me endorsed "Resident Medical Officer" not later than Thursday, 31st March, 1938.

JOHN W. JACKSON, Town Clerk.

Municipal Buildings, 170, Victoria-street, Grimsby.

Kent and Canterbury Hospital,
CANTERBURY.

HOUSE SURGEON required, Male, unmarried. Six months' appointment commencing end of March, 1938. Salary £125 per annum, with board, residence, and laundry.

The Hospital is recognised under F.R.C.S. regulations.

Applications, together with copies of testimonials, should be sent immediately to the undersigned.

J. F. KENT, Superintendent and Secretary.

City of Norwich.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER, &c.

Applications are invited for the post of Assistant Medical Officer of Health and Assistant School Medical Officer to include the duties of Medical Officer with residence at the Isolation Hospital. Salary £600 per annum (including emoluments valued at £150 per annum), rising by annual increments of £25 to £700 per annum. Board allowance at the rate of £60 per annum granted when absent from hospital on leave. The post is designated under the Local Government and Other Officers' Superannuation Act, 1922.

For particulars apply to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications for the post must be received not later than 21st March, 1938.

City of Stoke-on-Trent.

STANFIELD SANATORIUM.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male) at Stanfield Sanatorium. Candidates must be single. Previous institutional experience in Tuberculosis will be an advantage.

Salary at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, together with board and lodgings. The selected candidate will act under the immediate direction of the Tuberculosis Officer.

Applications, endorsed "Resident Medical Officer," together with copies of three recent testimonials, to be sent to the undersigned not later than Monday, 21st March, 1938.

E. B. SHARPLEY, Town Clerk.

Town Hall, Stoke-on-Trent, 4th March, 1938.

City of Bradford.

SANATORIUM—GRASSINGTON.

ASSISTANT MEDICAL OFFICER required.

Appointment tenable for one year at a salary of £175 per annum, plus board and lodgings.

Forms of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 23rd March, 1938.

N. K. FLEMING.

Town Hall, Bradford, 26th February, 1938.

County Borough of Smethwick.

ST. CHAD'S HOSPITAL, BIRMINGHAM.

HOUSE SURGEON.

Applications are invited from registered Medical Practitioners for the appointment of House Surgeon at the Council's Municipal Hospital. The appointment will be for a period of six months from 6th April, 1938, with salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is re-appointed for a further period of six months, the salary will be at the rate of £200 per annum. St. Chad's Hospital contains 145 beds, and the cases treated include general medical, acute surgical, and maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Form of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom application endorsed "House Surgeon" and accompanied by copies of three recent testimonials must be delivered not later than 17th March, 1938.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 28th February, 1938.

The Children's Hospital, Sheffield.

(140 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st April, 1938.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry. Candidates (Male and unmarried) who must possess registered qualifications, should forward applications stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

County Borough of Walsall.

MANOR HOSPITAL.

CONSULTING OBSTETRICIAN AND GYNÆCOLOGIST.

Applications are invited for the above appointment from gentlemen of recognised Consultant rank. The gentleman appointed will be required to conduct a consultative antenatal and gynæcological clinic once monthly at the Manor Hospital, for which a fee of 3 guineas per session will be paid.

The gentleman appointed will also be required to act as Consultant Obstetrician at the Hospital, a fee of 5 guineas being paid for each emergency visit.

Applications to be sent to the Medical Officer of Health, Council House, Walsall, not later than 26th March, 1938.

Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invites applications for the appointment of HOUSE PHYSICIAN (Male). The salary attached to the appointment is at the rate of £150 per annum, with board, residence, and laundry. The duties include work in the Out-patient, Aural, Ophthalmic, &c., Departments as well as in the wards. The Hospital covers a large industria area, and affords excellent opportunity for experience.

Applications, stating, age, nationality, &c., with three recent testimonials, to be sent to the Secretary, Rochdale Infirmary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale.

City of Birmingham.

SELLY OAK HOSPITAL. (520 Beds.)

RESIDENT PHYSICIAN.

Applications are invited for the above whole-time appointment from fully qualified registered Medical Practitioners who have had good medical experience and who should hold the degree of Doctor of Medicine of one of the Universities of the United Kingdom or who should be members of the Royal College of Physicians of London.

Furnished quarters, rations, laundry, and attendance will be provided, or alternatively a cash allowance will be paid if the officer appointed should be non-resident.

Salary will be £650, rising by annual increments of £50 to a maximum of £900 per annum, together with the emoluments stated above.

The appointment will be dependent on the candidate passing a medical examination and be subject to the Birmingham Corporation's Superannuation Scheme, and the Birmingham Municipal Officers' Widows' and Orphans' Pensions Scheme (if applicable). The appointment will be terminable by one month's notice on either side.

Further particulars of the appointment may be obtained from the Medical Superintendent of the Hospital.

Applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, and endorsed "Physician," should be sent to the Medical Superintendent not later than Wednesday, 23rd March, 1938.

F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham.

Manchester and Salford Hospital for SKIN DISEASES.

(54 Beds. 14,500 Out-patients per annum.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon. Must be registered. The appointment is for six months. Salary at the rate of £150 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned, Quay-street, Manchester, not later than March 15th.

JOHN NALL, Secretary.

Leeds Public Dispensary and Hospital.

Wanted at once:—

HOUSE PHYSICIAN (Male).

Appointment for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, to be sent to the undersigned, Public Dispensary and Hospital, North-street, Leeds, 2.

CHARLES F. J. MAURY, Secretary and Superintendent.

St. Mary's Hospitals, Manchester.

Two HOUSE SURGEONS for the WHITWORTH ST. WEST HOSPITAL (Maternity); and One for the WHITWORTH PARK HOSPITAL (Gynæcological Department) each for a period of six months from the 1st May next. Salaries at the rate of £50 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned on or before the 17th March.

R. RATCLIFFE, Secretary.

Prince of Wales's Hospital, DEVONPORT

(Formerly the Royal Albert Hospital, Devonport.)

(64 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Duties to commence 1st April, 1938. Appointment is tenable for six months and is subject to renewal, or promotion to the senior position when this post becomes vacant. Applicants must be registered under the Medical Acts.

Applications, stating age and qualifications, with copies of three recent testimonials, to reach the undersigned not later than 24th March.

ARTHUR R. CASH, General Supt. and Secretary, Prince of Wales's Hospital, Greenbank-road, Plymouth.

County Borough of Walsall.

MANOR HOSPITAL.

JUNIOR ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified persons for the appointment of Junior Assistant Medical Officer (resident). The appointment will be for a period of twelve months and the salary is at the rate of £150 per annum, together with the usual emoluments.

The person appointed will be required to act under the general direction of the Medical Superintendent, and carry out the duties of Casualty Officer and Resident Anæsthetist.

Applications, stating age, professional qualifications, and experience, accompanied by not more than three copies of recent testimonials, should be sent to the Medical Officer of Health, Health Department, Council House, Walsall, not later than 26th March, 1938.

3rd March, 1938.

Barrowmore Tuberculosis Sanatorium

AND SETTLEMENT, GT. BARROW, Nr. CHESTER.

HOUSE PHYSICIAN (Male) required at beginning of April.

The appointment is for six months, and is renewable. Salary £150 per annum, with board, residence, and laundry.

The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital and Sanatorium accommodation, extensive workshops for graduated work, and a Settlement.

Special treatment, Sanocrysin and Artificial Pneumothorax given.

Applications marked "House Physician" with copies of three testimonials, should be sent to the Medical Director at the above address, not later than 17th March, 1938.

Free Eye Hospital, Southampton.

The Committee require the services of a duly qualified HOUSE SURGEON to enter on duties on 1st April, 1938.

Salary £150 per annum, with board, residence, and laundry. Post-graduate experience in Ophthalmology is desirable.

Applications, with three recent testimonials, to reach the Secretary by 19th March, 1938.

Doncaster Royal Infirmary.

(185 Beds.)

Applications are invited for the post of FRACTURE HOUSE SURGEON, who will be required to carry out his duties under the direction of an Honorary Orthopædic Surgeon. The resident Medical Staff of the Hospital numbers six and this appointment will be considered the senior. Salary paid will be £200 minimum, or according to experience.

Applications, accompanied by copies of three recent testimonials, to be forwarded to the undersigned.

R. LANCASTER, Secretary-Superintendent.

Essex County Council.

APPOINTMENT OF PART-TIME OPHTHALMIC SURGEON.

The County Council of the Administrative County of Essex invite applications for the above appointment from registered Medical Practitioners not over forty-five years of age, with special experience in all branches of Ophthalmology, to act under the County Medical Officer of Health.

Preference will be given to candidates holding an Ophthalmic Hospital appointment and the possession of the Diploma in Ophthalmic Medicine will be considered an additional qualification.

The salary will be at the rate of £200 per annum for two sessions a week, together with a travelling allowance in accordance with the County Scale for the time being in force.

The appointment will be held by the successful candidate during the pleasure of the Council, and will be determinable by the Officer by three months' notice in writing.

Applications on the prescribed form, obtainable from the undersigned, accompanied by copies of not more than three testimonials (which will not be returned), should be addressed to me and delivered at the County Hall, Chelmsford, not later than Monday, the 21st day of March, 1938.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 1st March, 1938.

County of Kent.

VENEREAL DISEASES CLINIC, CANTERBURY.

Applications are invited from registered Medical Practitioners (Male), who are duly qualified in accordance with the regulations of the Ministry of Health, for the Part-time appointment of MEDICAL OFFICER of the above-mentioned clinic which is at the Kent and Canterbury Hospital.

One half-day session will be held each week and the remuneration will be at the rate of three guineas a session with an allowance for travelling.

The appointment will be terminable at any time by one month's written notice on either side.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials should reach the County Medical Officer of Health, Sessions House, Maidstone, not later than the 17th March, 1938.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 26th February, 1938.

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County Council of the West Riding of

YORKSHIRE.

APPOINTMENT OF ASSISTANT COUNTY MEDICAL OFFICER.

The County Council of the West Riding of Yorkshire invite applications from registered Medical Practitioners for the appointment of Assistant County Medical Officer, the duties of which will be to act as Venereal Diseases Officer and to assist the County Medical Officer in General Public Health Administration.

The salary is £960 per annum.

Candidates must be duly registered in Medicine and Surgery and possess the Diploma in Public Health.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Form of application and further particulars may be obtained from the undersigned, to whom all applications, together with copies of not more than three recent testimonials, should be addressed so as to be received not later than the 21st March, 1938.

J. CHARLES MCGRATH, Clerk of the County Council.

County Hall, Wakefield, March, 1938.

County Borough of West Bromwich.

HALLAM HOSPITAL. (472 Beds.)

HOUSE SURGEON.

Applications are invited from duly qualified Male registered Practitioners for the above-mentioned post.

The appointment is for six months, with eligibility for a further six months. Either party may give six weeks' notice terminating the appointment. There is a visiting staff of eight physicians and surgeons, one resident surgical officer, and three resident medical officers.

Salary £200 per annum, and board residence. All fees received by the person appointed will be payable into the funds of the Council.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded to the Medical Officer of Health, 2, Lodge-road, West Bromwich, so as to arrive not later than by first post on Wednesday, 16th March, 1938.

G. F. DARLOW, Town Clerk.

Town Hall, West Bromwich, 2nd March, 1938.

Hertford County Hospital.

(169 Beds. 3 Residents.)

Applications are invited for the post of HOUSE PHYSICIAN (Male).

Salary £150 per annum, with board, residence, and laundry. Duties to include Casualty. The appointment is for six months in the first instance.

Applications, together with copies of three recent testimonials, should be forwarded to the undersigned not later than 15th March, 1938. PERCY G. BROOKS, Secretary.

County Borough of Walsall.

MANOR HOSPITAL.

ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified persons for the appointment of Assistant Medical Officer (resident) at a commencing salary of £350 per annum, rising by £25 per annum to £425 per annum, together with emoluments valued at £125 per annum.

The person appointed should have had special experience in obstetrics and will be responsible, under the direction of the Medical Superintendent, for the Obstetric and Children's Wards and Antenatal Sessions. The Department is supported by a Consultant.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Applications, stating age, professional qualifications, and experience, accompanied by not more than three copies of testimonials, should be sent to the Medical Officer of Health, Health Department, Council House, Walsall, not later than 26th March, 1938.

3rd March, 1938.

Gloucestershire County Council.

TWO ASSISTANT COUNTY MEDICAL OFFICERS OF HEALTH.

Gloucestershire County Council invite applications for the appointments of two Assistant County Medical Officers of Health.

The salary in each case will be on the scale £500–£25–£700 per annum, and past local government service will be counted in assessing the commencing salary. Travelling and subsistence allowances will be paid in accordance with the Council's scale.

The posts are designated for the purposes of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidates will be required to pass a medical examination by the Council's medical adviser. Applicants must be registered Medical Practitioners and should hold a Diploma in Public Health. Previous experience in various branches of public health and school medical work is desirable.

Forms of application, with particulars of the duties and conditions of appointment, may be obtained from the County Medical Officer of Health, Shire Hall, Gloucester, to whom completed applications, with copies of three recent testimonials, should be sent not later than the 21st March, 1938.

Canvassing, directly or indirectly, will disqualify.

RICHARD L. MOON, Clerk of the County Council.

Shire Hall, Gloucester.

County Council of Middlesex.

PHYSICIAN.

Applications are invited from registered Medical Practitioners for the pensionable appointment of Physician to the COUNTY SANATORIUM, HAREFIELD. Applicants are expected to hold high qualifications, and to have devoted themselves wholly or chiefly to the practice of clinical medicine, with special experience in the treatment of pulmonary tuberculosis.

The successful candidate will work under the direction of the Medical Superintendent, and the whole of his time must be given to his official duties. He must be prepared to act as consultant to general medical practitioners outside the sanatorium if called upon so to do, to undertake the teaching of post-graduate students if required, and to carry out such other duties as the Council may from time to time direct.

The appointment is non-resident and the successful candidate will be required to reside within a short distance of the sanatorium. The appointment, which will be subject to medical examination, will be held during the pleasure of the Council, and is terminable by three months' notice on either side.

Salary £1000 per annum (including living-out allowance of £150 per annum), rising by annual increments of £50 to £1500. The salary is inclusive, and any fees received by the officer appointed must be paid over to the Council.

The Harefield County Sanatorium, which accommodates 378 patients (men, women, and children), has just been completely rebuilt and embodies many new features in hospital construction.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than March 19th. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Physician, Harefield County Sanatorium."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1.
28th February, 1938.

County Council of Middlesex.

APPOINTMENT OF OBSTETRIC SURGEONS.

Applications are invited from registered Medical Practitioners for the following appointments on the pensionable staff. The appointments are senior ones in the Council's general hospital service, and applicants are expected to be medical men or women of high qualifications and professional attainments, who have devoted their time wholly or chiefly to the practice of obstetrics and gynæcology. The successful candidates will work under the direction of the Medical Superintendent of the respective hospitals, and the whole of their time must be given to their official duties. They must be prepared to undertake the teaching of students, if required, and to carry out such other duties as the County Council may from time to time direct.

REDHILL COUNTY HOSPITAL, EDGWARE.
SENIOR OBSTETRIC SURGEON.

Salary £850 per annum, rising by annual increments of £50 to £1350 per annum, together with a non-resident cash allowance of £150 per annum in lieu of emoluments.

NORTH MIDDLESEX COUNTY HOSPITAL,
Silver-street, EDMONTON, N.18.
OBSTETRIC SURGEON.

Salary £500 per annum, rising by annual increments of £50 to £750 per annum, and, after eight years' service, by two further increments of £50 to £850 per annum, together with a non-resident cash allowance of £150 per annum in lieu of emoluments.

The successful candidates will be required to reside within a short distance of the hospitals to which they are appointed. In the case of an unmarried officer, if accommodation is available, full residential emoluments may be provided in lieu of the non-resident allowance.

The above salaries are inclusive and any fees received by the officers appointed must be paid over to the County Council.

The appointments, which will be subject to medical examination, will be held during the pleasure of the Council and are terminable by three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 19th March. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Obstetric Surgeon."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1.
28th February, 1938.

Victoria Hospital, Burnley.

(150 Beds.)

HOUSE PHYSICIAN (Male).

Applications are invited for the above post, which will become vacant on the 8th March. The duties include the giving of a certain number of anæsthetics. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry.

At the end of this period, reappointment may be applied for, and if granted, the salary for the second six months will be at the rate of £200 per annum.

Applications, giving full details of qualifications and experience, stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

County Council of Middlesex.

ANÆSTHETIST
WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH.

Applications are invited from registered Medical Practitioners for the above appointment. Candidates must have held resident appointments in a general hospital, and must be specially skilled and experienced in the administration of anæsthetics by modern methods. The officer appointed will be required to administer anæsthetics, and to carry out such other duties as may be allotted to him.

Salary £400 per annum, rising by annual increments of £25 to £475 per annum. The successful candidate will be required to reside within a short distance of the hospital and will be paid a cash allowance of £100 per annum in lieu of residential emoluments.

The appointment (which will be subject to medical examination, will be held during the pleasure of the Council and will be terminable by one month's notice on either side) is for a period of four years, at the end of which period the officer will leave the Council's service. In special cases the Council may decide to retain an officer on the established staff, in which case the salary will be increased to £500 per annum, which will be the maximum for a non-resident officer in this grade.

The officer appointed will work under the control of the Medical Superintendent, will devote the whole of his time to official duties, and will have no rights under the Council's superannuation scheme.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 19th March. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Resident Anæsthetist, West Middlesex County Hospital."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1.
28th February, 1938.

N.B.—The West Middlesex County Hospital is a General Hospital with accommodation for approximately 500 acute and 600 non-acute cases.

Wingfield-Morris Orthopædic Hospital,

HEADINGTON, OXFORD.

HOUSE SURGEON (Male) required for six months from 1st May. Salary at the rate of £100 per annum, with board, lodging, and laundry.

Applications (with testimonials) to be sent on or before April 1st to Professor GIRDLESTONE.

Ear and Throat Hospital,

BIRMINGHAM, 3.

THIRD HOUSE SURGEON wanted (non-resident). Must be qualified and with clinical experience.

Salary at the rate of £150 per annum, with lunch on six week-days, and an allowance of £50 per annum in lieu of board and lodging.

Appointment for six months to commence April 1st.

Candidates are eligible for election to Senior posts. Facilities for training for D.L.O.

Applications and testimonials to be forwarded to the undersigned.

W. H. LOMAS, Secretary.

Rotherham Hospital.

Wanted: HOUSE PHYSICIAN (Male), qualified. Salary £180, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Preston and County of Lancaster Royal

INFIRMARY.

Applications are invited for the post of HOUSE SURGEON to the Eye, Ear, Nose, and Throat Wards and Clinics; vacant 1st April, 1938. Six months' appointment.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Total Resident Staff of the General Hospital, eight.

Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded to the undersigned as soon as possible.

JOHN GIBSON, Superintendent and Secretary.

Preston and County of Lancaster Royal

INFIRMARY.

Applications are invited for the post of HOUSE SURGEON, with duties in the Casualty Department and charge of the beds of the Assistant Surgeons; vacant 1st April, 1938. Six months' appointment.

Total Resident Staff, eight.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded to the undersigned as soon as possible.

JOHN GIBSON, Superintendent and Secretary.

Devonshire Royal Hospital, Buxton,

DERBYSHIRE. (300 Beds.)
(A National Hospital for Rheumatism and Allied Diseases.)

RESIDENT MEDICAL OFFICER (Male), salary £200 per annum, or HOUSE PHYSICIAN (Male), salary £150, rising to £175 after three months' service (and prospects of promotion to Resident Medical Officer), with board-residence and laundry.

Candidates must be fully qualified and registered.

The appointments are for a minimum period of six months, and may be extended for a further period of six months.

Applications, endorsed "Medical Appointments," stating age, experience, and qualifications, and whether application is made for one or either post, together with copies of three recent testimonials, must be forwarded without delay to the undersigned, from whom any further particulars may be obtained.

Considerable Orthopædic experience is available, and the appointments offer special facilities for gentlemen preparing a thesis or wishing to undertake special work, as the Hospital contains all the necessary laboratory and other facilities for research.

Canvassing will disqualify.

By Order of the Committee of Management,
A. PRESTON TURNER,
General Superintendent and Secretary.

Kent and Sussex Hospital,

TUNBRIDGE WELLS. (210 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER. Salary £250 per annum, with board, residence, and laundry in the Hospital.

The Hospital includes the following departments: Medical, Surgical, Ear, Nose and Throat, Ophthalmic, Orthopædic, Gynæcological, Radium, X ray and Electro-therapeutic, Massage, Pathological, Venereal Disease, &c.

There are three other House Surgeons and one House Physician on the Resident Staff.

Applications, stating qualifications, together with certificate of registration, and copies of not more than three recent testimonials, should be sent to the undersigned as soon as possible. The appointment becomes vacant on 1st May next and will be for twelve months.

TOM B. HARRISON, Superintendent-Secretary.

County of Dorset.

APPOINTMENT OF COUNTY PATHOLOGIST.

The Dorset County Council invite applications from Registered Medical Practitioners for the appointment of a County Pathologist, at a commencing salary of £750 per annum, rising to £950 by biennial increments of £50.

Applicants must have specialised in Pathology and Biochemistry, and have had considerable experience in a pathological Department.

The Officer appointed will be required to devote his whole time to the duties of his office, and will be in charge of the work of the County Laboratory, Dorchester, acting under the administrative control of the County Medical Officer.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass the necessary medical examination.

Applications, on a prescribed form, which may be obtained from me on receipt of a stamped addressed foolscap envelope, must be forwarded so as to be received not later than Monday, 4th April, 1938.

Canvassing, either directly or indirectly, will be a disqualification.

C. P. BRUTTON, Clerk of the County Council.
County Offices, Dorchester, 4th March, 1938.

The Chester Royal Infirmary.

(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to the Ear, Nose, and Throat and Gynæcological Departments. Salary £150 per annum, with board, lodging, and laundry. To take up duty on 1st April next. The appointment is approved in connexion with the M.S. (London University) and F.R.C.S. (Eng.) Examinations.

Application list closes 19th March, 1938.

Application forms may be obtained from:—
W. H. GRACE, M.D., M.R.C.P.,
Hon. Secretary, Medical Committee.

28th February. 1938.

Worcester County and City Mental

HOSPITAL, POWICK, Near WORCESTER.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER. Applicants must be Male, single, under thirty-five years of age, and duly qualified in medicine and surgery. Commencing salary £350, rising by annual increments of £25 to a maximum salary of £450 per annum, together with furnished apartments, board, laundry, and attendance. A further £50 per annum will be paid if the selected candidate holds or obtains a Diploma in Psychological Medicine. Experience in Anæsthetics will be a recommendation. The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, stating age, and full particulars of qualifications and experience, accompanied by copies of three recent testimonials, to be forwarded to the Medical Superintendent not later than Saturday, 26th March, 1938.

Taunton and Somerset Hospital,

TAUNTON.

HOUSE SURGEON (Male) required March 25th. Salary, rate of £125 per annum, board, residence, and laundry, and the retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary.

Burton-on-Trent General Infirmary.

Applications are invited for the post of SENIOR HOUSE SURGEON (Male). Salary at the rate of £200 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, experience, and nationality, together with copies of testimonials, to be sent to—

E. W. THORNLEY, Secretary.
The General Infirmary, Burton-on-Trent.

Victoria Hospital, Worksop.

(92 Beds.)

A JUNIOR RESIDENT (Male) is required to take up duty on April 1st. Salary at the rate of £125 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, and stating age, qualifications, and nationality, to be sent to the undersigned. The appointment is for six months renewable.

JAMES BOOTHROYD, Secretary-Superintendent.

Wrexham and East Denbighshire

WAR MEMORIAL HOSPITAL.
(129 Beds.)

Two RESIDENT HOUSE SURGEONS required by the above Hospital (Male or Female) to commence duty on April 1st, 1938. Appointment is for six months. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent, together with copies of three recent testimonials, to the undersigned immediately.

LESLIE SPENCER, Secretary.

March 1st, 1938.

Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.
(Formerly South Devon & East Cornwall Hospital). 264 Beds.

Applications are invited for the post of non-resident whole-time ASSISTANT PATHOLOGIST. Duties to commence if possible on April 11th.

Commencing salary £500 per annum.

Candidates must be duly qualified Medical Practitioners.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned on or before 25th March.

ARTHUR R. CASH, General Superintendent.

Royal Victoria Infirmary,

NEWCASTLE-UPON-TYNE.
(785 Beds.)

WHOLE-TIME JUNIOR GYNÆCOLOGICAL AND OBSTETRICAL REGISTRAR. (Open Appointment.)

Applications are invited for the above post.

Candidates must be registered Medical Practitioners duly qualified in Medicine and in Surgery, and must have held the post of resident in a recognised Maternity Hospital for six months and a further six months in a Hospital devoted to Women's Diseases, or in the Gynæcological Department of a recognised Hospital.

The appointment is for one year and is renewable annually for a period not exceeding three years.

The salary is at the rate of £300 per annum.

Full information can be obtained by application to the undersigned, by whom applications, stating age, qualifications, and experience, and accompanied by not more than three recent testimonials, must be received not later than Thursday, 31st March, 1938.

S. DUNSTAN, House Governor and Secretary.

7th March, 1938.

Honorary Assistant Physician wanted

for the ROYAL ABERDEEN HOSPITAL FOR SICK CHILDREN. Applications, with testimonials, to be lodged with the Honorary Secretary, Mr. A. S. R. BRUCE, Advocate, 12, Dee-street, Aberdeen, by 19th March, 1938.

Wrexham and East Denbighshire

WAR MEMORIAL HOSPITAL. (129 Beds.)

RESIDENT HOUSE SURGEON (Male) required for Special Departments (Aural, Ophthalmic and Casualty, &c.) to commence duty immediately.

Appointment is for six months. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent to the undersigned together with copies of three recent testimonials.

March 7th, 1938 LESLIE SPENCER, Secretary.

County Council of Durham.

APPOINTMENT OF TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the post of Temporary Assistant Medical Officer of Health (Male) at a commencing salary of £600 per annum. The appointment is subject to one month's notice on either side and will terminate at the end of two years. Travelling and subsistence allowances will be paid in accordance with the Council's scale.

Applicants must be registered Medical Practitioners under the age of 55 years and should if possible possess a qualification in Public Health and have held a post in an Infectious Diseases Hospital. Experience in the examination and certification of mentally defective children and adults will be an additional recommendation.

The officer appointed will be required to devote the whole of his time to the duties of the office and will not be allowed to engage in private practice. He will also be required to undertake such other Public Health duties as may be allotted to him by the County Medical Officer of Health under whose direction he will work.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials, should be forwarded to the County Medical Officer of Health, Shire Hall, Durham, not later than first post on Monday, 28th March, 1938.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 5th March, 1938.

County Council of Durham.

ASSISTANT WELFARE MEDICAL OFFICER.

The County Health Committee invite applications for an ASSISTANT WELFARE MEDICAL OFFICER (Woman) at a commencing salary of £500 per annum, rising by annual increments of £25 to £700 per annum. Travelling allowance will be paid by the County Council in accordance with a scale to be approved from time to time.

The appointment will be held subject to three calendar months' notice on either side, and to the following conditions :—

(1) The Officer appointed must be a registered Medical Practitioner between the ages of 25 and 55 years, must devote the whole of her time to the duties of the office, and must not engage in private practice.
(2) She should either have had a previous appointment as Medical Officer of an Ante-natal clinic, with the approval of the Minister of Health, or have had at least three years' experience in the practice of her profession and special experience of Practical Midwifery and Ante-natal work. The holding of a diploma in Public Health will be deemed an additional qualification for the post.
(3) She will be subject to the directions of the County Medical Officer of Health.
(4) She will be required to reside in Durham City, or such other place as required by the Council.
(5) She must be prepared, if called upon, to act as locum tenens to other members of the medical staff of the County Medical Officer of Health.
(6) The appointment will terminate on marriage.
(7) The candidate appointed will be required to pass the County Council's medical examination, and will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Applications, endorsed "Assistant Welfare Medical Officer," with copies of not more than three recent testimonials, must be addressed to the County Medical Officer of Health, Shire Hall, Durham, and must be received by him not later than Monday, 28th March, 1938.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 5th March, 1938.

County Borough of Blackburn.

LADY ASSISTANT MEDICAL OFFICER OF HEALTH and ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from duly registered Women Practitioners for the appointment of Assistant Medical Officer of Health and Assistant School Medical Officer to act under the direction and supervision of the Medical Officer of Health, who is also School Medical Officer.

The maximum salary will be £700 per annum. The commencing salary will not be less than £600 per annum and will be fixed according to the qualifications and experience of the successful applicant, and will rise by annual increments of £25 to the maximum of £700.

The person appointed must have had at least three years' post-graduate experience in the practice of her profession and special experience of Midwifery and Ante-natal work. Special post-graduate experience in the treatment of Venereal Diseases and of Diseases of Children, and the possession of a registrable degree or diploma in Public Health, will be deemed additional qualifications.

Applications to be made on forms to be obtained from the Medical Officer of Health, Victoria-street, Blackburn, and returned to him not later than Wednesday, the 23rd March, 1938, endorsed "Assistant Medical Officer of Health."

Canvassing directly or indirectly will be a disqualification.

CHAS. S. ROBINSON, Town Clerk.

Town Hall, Blackburn, 7th March, 1938.

Royal Halifax Infirmary.

Hospital recognised by the Royal College of Surgeons (England).

Applications are invited for the following appointments :—

RESIDENT SURGICAL OFFICER	Salary £250 per annum	
FIRST HOUSE SURGEON ..	,, £200 ,,	,,
SECOND HOUSE SURGEON ..	,, £175 ,,	,,
THIRD HOUSE SURGEON ..	,, £150 ,,	,,

with residence, board, and laundry. The salaries include all services required in connexion with the Paying Patients' Block.

The appointment of Resident Surgical Officer will be for one year commencing 1st May, 1938. The other appointments will be for six months from 1st May, 1938.

The Hospital contains Maternity, and Paying Patients' Blocks. Also a Pathological Department, a large Eye, Ear, Nose, and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned to whom applications, stating age and nationality, together with testimonials, should be sent on or before the 21st March, 1938.

A. MIDGLEY, Secretary.

7th March, 1938.

Surrey County Council.

BOTLEYS PARK COLONY (Certified Institution for Mental Defectives), Near CHERTSEY, SURREY.

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited from registered Medical Practitioners (Male) for the whole-time appointment of Resident Deputy Medical Superintendent at the above-mentioned Certified Institution. The first section of the Colony, which is now in course of erection, will provide accommodation for 1200 patients and the necessary resident staff, and will eventually provide 1500 patient beds. In addition, there is accommodation for another 300 patients in an immediately adjacent Institution, which is under the same administration as the main colony.

Commencing salary £720, rising by annual increments of £25 to a maximum of £820 per annum, with emoluments valued for superannuation purposes at £30 per annum.

Applicants, who must be in possession of the Diploma of Psychological Medicine, should have had practical experience in a large Mental Institution, preferably for Mental Defectives. Age not to exceed 40 years.

The appointment will be subject to the provisions of the Asylums and Certified Institutions (Officers Pensions) Act, 1915, and to the Council's Staffing Regulations. The person appointed will be required to undergo a medical examination, and to commence his duties on 1st June, 1938.

Applications, stating age and whether married or single, accompanied by copies of three recent testimonials, must reach the undersigned not later than Monday, 4th April, 1938. The envelope should be marked "Botleys Park Deputy Medical Superintendent."

DUDLEY AUKLAND, Clerk of the Council.

Mental Hospitals Department, County Hall, Kingston-upon-Thames, 8th March, 1938.

Administrative County of Essex.

APPOINTMENT OF ASSISTANT SPECIALIST OPHTHALMIC SURGEON.

The County Council of the Administrative County of Essex invite applications for the above appointment from registered Medical Practitioners, not over forty-five years of age, with special experience in all branches of Ophthalmology and preferably holding the Diploma in Ophthalmic medicine, to act under the County Medical Officer of Health.

The salary will be at the rate of £700 per annum, and will rise, subject to satisfactory service, by annual increments of £25 to £800 per annum.

The person appointed will, at the discretion of the Council, either be provided with a car or will be paid a travelling allowance in accordance with the County Scale for the time being in force.

The person appointed will be required to devote his whole time to the service of the Council, and to perform such duties and to furnish such advice and assistance appertaining to his office, as may be required, and to reside in such district of the County as the Council may decide. The appointment will be held by the successful candidate during the pleasure of the Council, and will be determinable by the Officer by three months' notice in writing.

The person appointed will be required to pass a medical examination and to contribute 5 per cent. of his salary to the fund established by the County Council under the Local Government and Other Officers' Superannuation Act, 1922.

The appointment will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications on the prescribed form, obtainable from the undersigned, and accompanied by copies of not more than three testimonials, which will not be returned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Friday, the 25th day of March, 1938.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 7th March, 1938.

BARBADOS

The Secretary of State for the Colonies has been requested by the Governor of Barbados to assist the Board of Directors of the BARBADOS GENERAL HOSPITAL in the selection of a MEDICAL SUPERINTENDENT for the Hospital.

Candidates must be British subjects of European parentage, hold medical qualifications registrable in the United Kingdom, and have had practical experience of hospital administration. The selected candidate will be responsible to the Hospital Board for the general administration, discipline, and working of the Hospital, which has 243 beds.

SALARY.—£700 a year, rising by annual increments of £20 to £800 a year.

QUARTERS.—Free furnished quarters will be provided with free water and an allowance for lighting.

PASSAGES.—Free first-class transport will be provided.

The appointment will be for a period of five years.

Further particulars and forms of application may be obtained from the Director of Recruitment (Colonial Service), 8, Buckingham-gate, London, S.W.1. Completed applications must be received not later than the 31st March.

Royal Sussex County Hospital,

BRIGHTON. (Beds 272. Six R.M.O.'s.)

CASUALTY HOUSE SURGEON (Male) required 1st May, 1938.

Salary £120 per annum, with board residence, and laundry.

Candidates must hold Medical and Surgical qualifications of the British Empire, and be duly registered under the Medical Acts.

They must be unmarried, and when elected under thirty years of age.

Applications, with copies of recent testimonials, to be forwarded to the undersigned.

L. L. W. LANCASTER-GAYE, Secretary- Superintendent.

University of Durham.

KING'S COLLEGE, NEWCASTLE-UPON-TYNE.

Applications are invited for the whole-time post of ASSISTANT BACTERIOLOGIST in the Public Health Laboratory in the Medical School. Applicants must be registered Medical Practitioners with some experience of practical Bacteriology. Preference will be given to holders of a Diploma in Public Health.

Salary £350 to £450 according to experience.

Full particulars may be obtained from the Secretary to the Council, King's College, Newcastle-upon-Tyne, 2, to whom seven copies of applications, stating experience, with seven copies of three recent testimonials, should be submitted not later than Saturday, 26th March, 1938.

The King Edward VII Welsh National

MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male, single) for the post of ASSISTANT RESIDENT MEDICAL OFFICER—twelve months' appointment at the NORTH WALES SANATORIUM (247 Beds for Female Pulmonary and Male, Female, and Children Non-pulmonary cases), DENBIGH, NORTH WALES.

Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Thursday, March 17th, 1938.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Westgate-street, Cardiff, March 7th, 1938.

Assistant Medical Officer required.

Medical Woman, with Mental Hospital experience. Salary £300 per annum, with emoluments. Apply, Medical Superintendent, THE LAWN, LINCOLN.

City Mental Hospital, Humberstone,

LEICESTER.

ASSISTANT MEDICAL OFFICER (Male).

Residential General Hospital experience is desirable. Salary £350, rising by £50 per annum to £450 per annum, together with board, lodging, washing, and attendance, valued for purposes of superannuation at £150 per annum. If the applicant be married he will be permitted to live out, and the salary will commence at £500, rising by £50 per annum to £600. An additional £50 per annum will be paid for possession of a D.P.M.

The appointment is subject to the provisions of the Asylum Officers' Superannuation Act, 1909.

There is a good laboratory and two active Psychiatric Clinics, one attached to the Leicester Royal Infirmary.

Duties will include attendance at a mental deficiency colony.

Applications, giving particulars of experience, &c., together with names of three references—one of which should be non-professional—and marked "A.M.O.," to be sent to the Medical Superintendent before 31st March.

HIS MAJESTY'S COLONIAL SERVICE

COLONIAL MEDICAL SERVICE

A vacancy exists for an ASSISTANT PATHOLOGIST in the MALAYAN MEDICAL SERVICE.

Candidates must be British subjects of European parentage between 25 and 35 years of age, and must possess medical qualifications registrable in the United Kingdom and have had at least six months' experience of post-graduate work in a recognised hospital or clinical laboratory.

Appointment is on probation for three years in the first instance with a salary of £700 a year, rising annually by £35 to £770. Thereafter, subject to satisfactory service the officer may be placed on the permanent pensionable establishment with salary of £805 a year, rising by annual increments of £35 to £1120 a year. Private practice is not allowed.

DUTIES.—The selected candidate will be required to perform such bacteriological and pathological work of the Government Institutions in Malaya as may be directed by the Director/Adviser, Medical Services, and possibly to give lectures at the King Edward VII College of Medicine, Singapore, and teaching institutions.

FREE PASSAGES provided for the officer and his family not exceeding five persons in all.

QUARTERS.—Furnished quarters provided if available at a rent of 6 per cent. of salary.

Further particulars and forms of application may be obtained from the Director of Recruitment (Colonial Service) 8, Buckingham-gate, London, S.W.1. Completed applications must be received by the 21st of March.

City of Lincoln.

RESIDENT MEDICAL OFFICER.

Applications are invited for the appointment of Resident Medical Officer, Male, unmarried, at the CITY HOSPITAL AND SANATORIUM, for a period of 12 months, from registered Medical Practitioners.

Salary £300 per annum, with board, lodging, and laundry.

Applications must be made on the prescribed forms not later than 24th March, 1938.

Forms of application and further particulars of the appointment may be obtained from the undersigned.

M. L. BERY, Medical Officer of Health, City Health Department, Beaumont Fee, Lincoln.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the following posts:—

(a) HOUSE PHYSICIAN, vacant on May 1st.

(b) HOUSE SURGEON to the Special Departments, with care of beds for Ear, Nose, and Throat, Eye, Gynæcological and Maternity cases, vacant on May 1st.

Each appointment is tenable for a period of six months, but is terminable at an earlier date by one month's written notice on either side.

The salary of each officer will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, March 23rd, 1938.

J. A. BEARDSALL, Secretary-Superintendent.

County Borough of Preston.

SHAROE GREEN HOSPITAL. (250 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER. (Female.)

Applications are invited from fully qualified and registered Practitioners for the above appointment. Salary at the rate of £100 per annum, with full board and residence.

The appointment will be for a period of six months and can be renewed for a period not exceeding six months.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should reach the Medical Superintendent not later than first post on the 26th March, 1938.

The Royal Sea-Bathing Hospital,

MARGATE.

(320 Beds—for Surgical Tuberculosis.)

Applications are invited from legally qualified and registered candidates for the post of ASSISTANT MEDICAL SUPERINTENDENT (Male) at the above Hospital, at a salary of £500 per annum, with full board and laundry. The appointment will commence on the 1st May next and will be tenable for two years.

Candidates, who must be single, should have held a resident surgical appointment in a General Hospital and have had some experience of Pathology and Orthopædic Surgery.

Applications, with copies of three recent testimonials, should be sent to the Secretary, R.S.B.H. Offices, 15, York-buildings, Adelphi, London, W.C.2, on or before the 21st March, 1938.

Surrey County Council.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of an Assistant Medical Officer (Male). Applicants must possess a qualification in Public Health, and have had experience in the Medical Inspection of School-children and in Maternity and Child Welfare work.

The officer appointed will be required to undertake such other Public Health duties as may be allocated to him. He will be on the staff of the County Medical Officer of Health, must reside in the County of Surrey, and devote his whole time to the work. Salary £600 per annum, rising by annual increments of £20 to £700 per annum. Travelling expenses in accordance with the Council's scale will be allowed.

The appointment will be subject to the approval of the Ministry of Health and of the Board of Education, to the successful candidate passing a medical examination, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staffing Regulations of the Council, which provide, inter alia, that appointments may be determined at any time by three months' notice.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be made on the prescribed forms and sent to the County Medical Officer of Health, County Hall, Kingston-upon-Thames, from whom copies of the application form may be obtained and to whom any inquiries relating to the appointment should be addressed.

Last day for receipt of applications, Wednesday, 16th March, 1938.

Canvassing, directly or indirectly, will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

County Hall, Kingston-upon-Thames. 9th March, 1938.

The Queen's University of Belfast.

Applications are invited for the post of TUTOR IN OBSTETRICS in the University. The person appointed will also hold the post of Senior Resident Medical Officer in the Royal Maternity Hospital.

Candidates must be graduates of at least two years' standing, and have held previous resident appointments in a teaching Hospital.

Preference will be given to candidates holding or wishing to obtain higher degrees in Surgery, Obstetrics, and Gynæcology, and must be members of a recognised Medical Defence Union.

The appointment in the first instance is for one year, but the Tutor may be re-appointed for a further term.

Salary £300 per annum.

Special facilities are offered to a holder who desires to qualify himself for M.C.O.G. The successful candidate will be expected to take up office on 1st April, 1938.

Further particulars may be obtained from the undersigned, to whom applications should be sent on or before Monday, 21st March, 1938.

THE SECRETARY, Queen's University, Belfast.

The Bolton Royal Infirmary.

(315 Beds, including two Auxiliary Hospitals.)

Applications are invited from gentlemen for the post of ASSISTANT RESIDENT SURGICAL OFFICER.

The duties of the Assistant R.S.O. comprise responsibility for the whole of the Casualty and Orthopædic Departments and to deputise for the R.S.O. in his absence.

The post is recognised by the Royal College of Surgeons of England for the Final Fellowship Examination.

Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and previous experience, together with copies of testimonials, should be forwarded to the undersigned not later than Friday, March 25th, 1938.

H. CORLESS, Secretary.

City of Liverpool.

RESIDENT ASSISTANT MEDICAL OFFICER (MALE), FOR ORTHOPÆDIC WARDS, ALDER HEY CHILDREN'S HOSPITAL.

Applications are invited for the above appointment at the Alder Hey Children's Hospital (956 beds), Liverpool, to take up duty immediately, for six months, with the option of renewal after this period, at a salary of £200 per annum, together with the usual residential allowances.

180 beds are set aside for Orthopædic Diseases of Children and these include open-air wards for surgical tuberculosis. Also there is a large amount of fracture and other orthopædic work of an acute nature. There are three Visiting Orthopædic Surgeons, the senior being Mr. T. P. McMurray, M.Ch., F.R.C.S. In addition to the Orthopædic work, routine duties in the Hospital will have to be carried out under the direction of the Medical Superintendent. Previous experience in Orthopædic work is desirable and the Hospital affords ample opportunity for gaining special experience in this work. Canvassing will be deemed a disqualification.

Applications to be made upon forms obtainable from the Medical Officer of Health, Municipal Annexe, to be endorsed "Resident Assistant Medical Officer (Orthopædic)," and returned to the undersigned so as to be received not later than Wednesday, 23rd March, 1938.

W. H. BAINES, Town Clerk.

Municipal Buildings, Liverpool, 2, March, 1938.

Manchester Royal Eye Hospital.

HOUSE SURGEON required. Salary £120 per annum, with residence, board, &c.

Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management.

H. R. NORTH, General Superintendent and Secretary.

Brighton County Borough Mental HOSPITAL, HAYWARDS HEATH, SUSSEX.

APPOINTMENT OF THIRD ASSISTANT MEDICAL OFFICER.

The Visiting Committee are prepared to receive applications from Medical Men for the above post. No married quarters are provided. The salary will be £350 per annum, rising by annual increments of £25 to £450 per annum, with a further £50 per annum if in possession of the D.P.M. The age of the candidate should not exceed thirty-five. Furnished apartments will be provided, with board and laundry, valued for superannuation purposes at £100 per annum.

Candidates must be registered under the Medical Act, and preference will be given to those who have held the post of House Surgeon or House Physician at a General Hospital. The appointment will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, on a form which will be supplied, with copies of three recent testimonials, to be sent to the Medical Superintendent and to be received by the 24th March, 1938.

The Royal Army Medical Corps

ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Lady, Expert Stenographer, Psychology

Certificate, seeks post; Temporary, Part-time, Permanent. —L., 234, Hendon Way, N.W.4. Hendon 1141.

Radiological Practice in South Africa.

An Assistant with a view to Partnership is required in a Diagnostic Practice near Johannesburg. Mixed hospital and private practice.

Salary offered, £1000 per annum. Estimated value of half-share of Practice, £1500.

Clinical and diagnostic experience essential.

Passage paid. Interview in England. Apply to MISS M. C. TOD, F.R.C.S., D.R. Edin., Clerwood, Corstorphine, Edinburgh.

Assistant wanted for Whole- or Part-

time work in General Practice in S.E., London.—Apply, No. 379, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Death Vacancy, London, S.E.—Work-

ing-class Practice for Sale. Income about £2000, including panel of approx. 2300. Further details from Address No. 382, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Purchase of Medical Practices

ASSISTANCE SCHEME. Write for full particulars to T. A. GREATOREX, LTD., 2, Tailor's-court, Broad-street, Bristol, 1.

Good Working-class Practice for

disposal in large Midland City. Gross receipts 1936–37 over £1500. Panel exceeds 2000. Scope for considerable increase. Good house, Freehold, ample accommodation, separate entrance to consulting-rooms and dispensary. For further particulars and purchase price of house and practice apply J. S. STREETS AND CO., Chartered Accountants, 44, Silver-street, Lincoln.

Home required within hundred miles

of London for Young Man, aged 24, with defective eyesight, &c. What is sought is a cheerful place providing some supervision, occupation, and male company.—Address, No. 383, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Resident Patients.—Doctors desiring

accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

London.—Cora Hotel,

Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors. Modern comforts.

Excellent table. A.A. and R.A.C. recommended.

Room, bath, and table d'hôte breakfast, 8s. 6d.

A few rooms 9s. 6d. and 10s. 6d. per person.

For Sale, Old-established Flourishing

School, handicapped children. Lovely country house near London. Moderate rental. Suit doctor. Scope. Low price.—Address, No. 380, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

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To Let.—Two fine suites of Consulting ROOMS, suitable for doctor, dentist, &c. Modern building with all amenities, including air conditioning. Low rent of £300 per annum, inc.

For fuller particulars, apply to Head Porter, Eaton House, 39, Upper Grosvenor-street, W.1, or to Letting Office, 61, Queensway, W.2. 'Phone: Bay. 1818.

To Let, 26, Welbeck-street, Large CONSULTING ROOM, with parquet floor, fitted basin, constant hot water. Use of waiting-room and services of receptionist. Rent very moderate.—Telephone: WELbeck 5982.

86, Brook-street, W.1.—An opportunity occurs to secure one of these excellent CONSULTING ROOMS or alternatively a share of one. Perfect service with lifts, receptionists, and telephone available day and night. Facilities for meals in the building.

Particulars from Managing Agents.
Allsop and Co., 21, Soho-square, W.1. (Gerrard 5847.)

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A very Light ROOM in most dignified house, panelled in rich mellowed mahogany, hot and cold water in room, oak flooring, use of beautifully furnished waiting-room, imposing entrance hall. Steward in attendance to receive patients. To be Let on Lease.—Apply, H. STANLEY & Co., 4, Park Lane, W.1. Telephone: Mayfair 8511.

Harley Street, W.—Flats to be Let in a modern building with passenger lift, 8 rooms, bathroom, kitchen, &c. Doctors or Dentists could share. Full particulars of Mr. LIONEL BROWN, 1, Mount-street, W.1. Telephone: Grosvenor 2160–2.

Harley Street, ground floor, Consulting room and secretary's room, also part-time consulting room with X ray. Write Dr. MORLAND, 135, Harley-street, London, W.1.

Liverpool, Edge-lane.—Large Double-fronted house (suitable Professional Gentleman), 3 entertaining rooms, 6 bedrooms, 2 bathrooms, electric light. Full particulars—GLASS & EDWARDS, Chartered Accountants, 3, Stanley-street, Liverpool.

Hampshire.—In beautiful country village of Broughton. Detached HOUSE with Annexe. 11 beds, 3 recep., 2 bath, 2 garages. Excellent repair, central heat, electric light. Ideal for medical man taking resident patients. Lease £70, agreement £75; or would sell.—Parry, 15, High-street, Borough, London, S.E. (owner).

To Let, Self-contained Flat, in Park-lane. Constant h.w., central heating, furnished or unfurnished. Reasonable rent.—Mayfair 1485 or No. 381, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Pleasant Flat, Devonshire-street, suitable doctor or dentist; 3 rooms, kitchen, dining-hall, bathroom, constant hot water, central heating, lift, porter's service. Rent (reduced for remainder of lease) £235 renewable. Tel. Welbeck 4189.

Splendid Opportunity for Medico. Corner House on new Estate lacking Practitioner, with economically balanced population. Reasonable rent. Buckhurst-hill, Essex, district. Proximity to Central London Electric Railway Extension. City 20, West End, 30 minutes.—Apply, MORTON, 55, Herent-drive, Ilford.

LEE & MARTIN, Ltd. (Est. 1877).

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71, TEMPLE ROW, BIRMINGHAM.

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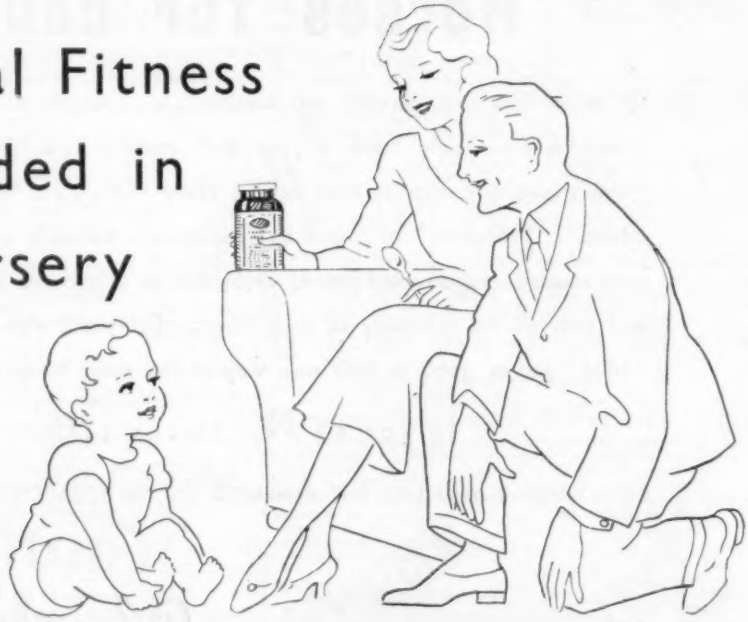

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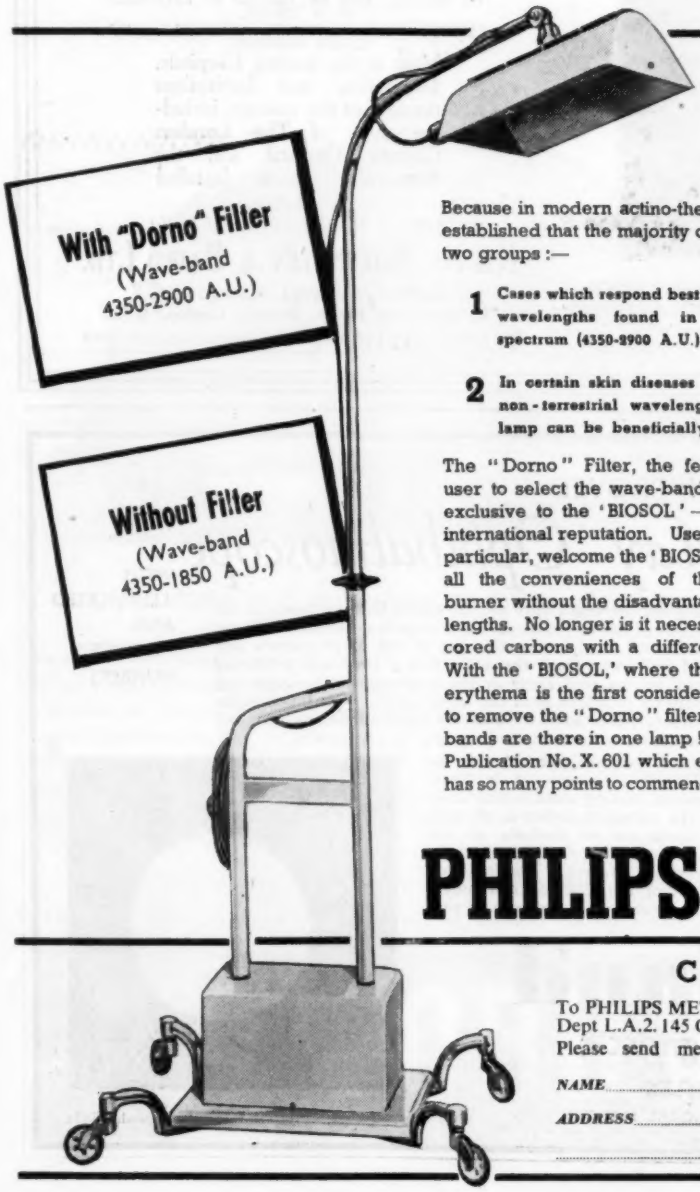

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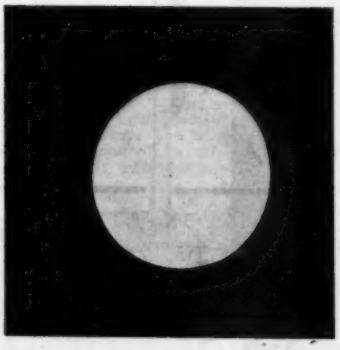

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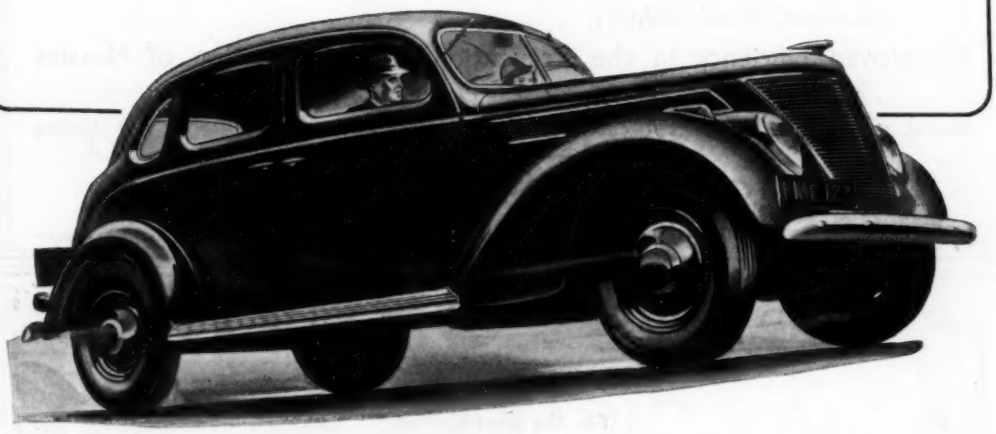

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(PLACENTAL EXTRACT)

Of proved efficiency in the Prevention and Modification of Measles

PACKINGS: 2 cc. Ampoule, 4s.; 12 cc. Vial, 16s.; 30 cc. Vial, 30s.

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(*Oestrodiol-monobenzoate*)

For the treatment of

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Supplied in oil solution for injection—in strengths of 1000 to 50000 international benzoate units per c.c.

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TRADE MARK

A recent advance in the Tannic Acid treatment of BURNS & SCALDS

Tannic Acid (10%) in combination with an emulsion of Acriflavine (an antiseptic which is itself of value in the treatment of burns—vide N. H. Mummery, "The Lancet", March 25th, 1933).

TANNOL treatment of Burns and Scalds combines the antiseptic properties of Acriflavine with the healing and non-scarring characteristics of Tannic Acid. This formula has been used with outstanding success at one of the largest Children's Hospitals in the country.

TANNOL keeps indefinitely and is always ready for immediate use.

Samples and fullest particulars willingly supplied to the Medical Profession

CLAY & ABRAHAM LTD., *Manufacturing Chemists*, LIVERPOOL

WHOOPING COUGH

Detoxicated Whooping Cough Vaccine (Genatosan) has proved remarkably successful. Reports received from medical practitioners state that it usually reduces the frequency of the paroxysms after the first injection, and subsequent injections almost invariably clear up the condition. Owing to the elimination of the toxic elements of the germ during the process of manufacture, this vaccine may be given to infants and young children, in doses sufficiently large to produce the desired therapeutic effect, with an absence of harmful reaction.

The following is typical of many reports received from physicians :—

"I have been making a somewhat extensive use of your Detoxicated Vaccine for Whooping Cough, and am pleased to say that the results have been almost invariably gratifying. In nearly all my cases the very distressing symptoms have disappeared after the third injection." ——————*M.D.*

Additional information regarding this Vaccine will gladly be supplied on request.

GENATOSAN LIMITED

VACCINE DEPARTMENT,

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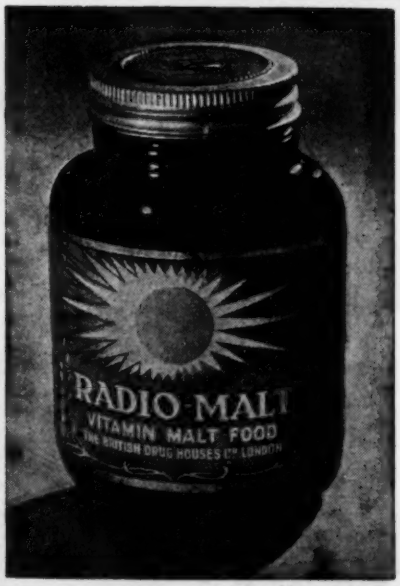

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(Standardised Vitamins A B_1 B_2 and D)

In the early spring Radio-Malt is of special value for making good depleted reserves. It is indicated particularly in conditions of lowered resistance resulting from a chronic all-round insufficiency of vitamins in the dietary which often persists throughout the winter.

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RM/S/344

WHEREVER and WHENEVER

MINERAL METABOLISM

is important, the hydrogen-ion balancing qualities of

Compound Syrup of Hypophosphites

TRADE "FELLOWS" MARK

have a distinct and important place.

All that's necessary is:

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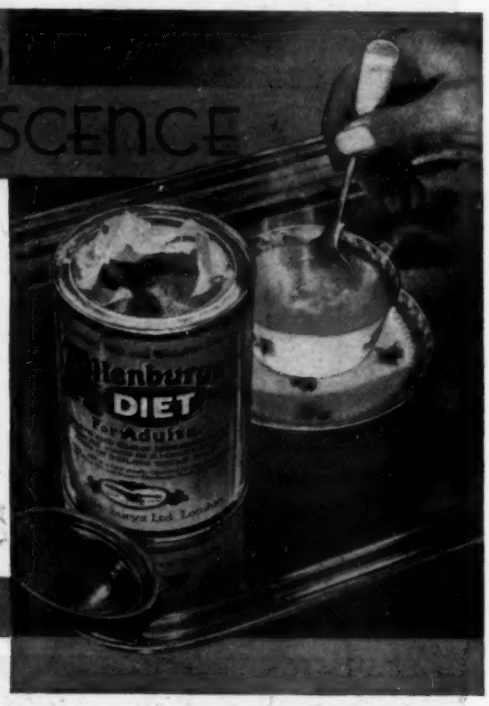
When the digestive powers are weak or impaired Allenburys Diet is pre-eminently suitable as a basis of feeding. Entirely distinct from Allenburys Foods for Infants, the Diet is made from pure, rich, full-cream milk and whole wheat, partially pre-digested during manufacture. Vitamin D is added. The delicate flavour of the Diet may be varied by the addition of coffee, cocoa, etc.

In tins, 2/1, 4/- and 7/6.

Clinical trial sample will be sent post free on application.

MADE IN A MINUTE



ALLENBURYS DIET

ALLEN & HANBURYS LTD., LONDON, E.2

Telephone: Bishopsgate 2301 (12 lines) Telegrams: "Greenburys Beth London"

The effective and inexpensive treatment of

HAY FEVER

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"BRITISH-GRASS-POLLEN"

should commence NOW

A Practitioner writes :— "A patient of mine who suffered with HAY FEVER for 10 years without relief was completely free this year for the first time after the course which you sent."
..... M.B., B.S., M.R.C.S., L.R.C.P.

Revised prices :—

Scratch test set - - 2/6

12 x 1 cc. graduated ampoules, *Weak* 9/-
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AMENORRHŒA
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CLIMACTERIC HYPERTONIA
and disorders of the
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A + B + C + D

Indications for Nestrovite

'By no other means will so much human suffering be banished as by the correct understanding and employment of vitamins." (Szent-Györgyi, *Lancet*, December 18th, 1937.)

PREGNANCY & LACTATION
Health is endangered unless all dietary requirements, including vitamins, are met.

CHILDHOOD
'Nestrovite' Emulsion or Tablets throughout the school age provide for development and protection.

GASTRO-INTESTINAL DISORDERS
'Nestrovite' should be included in the treatment.

INFANCY
'Nestrovite' Emulsion is recommended in place of cod liver oil and orange juice.

CONVALESCENCE
An ample supply of the vitamins contained in 'Nestrovite' is necessary.

LOWERED VITALITY
Lowered vitality is likely to be due to lack of vitamins A, C, and D. 'Nestrovite' corrects this.

NESTROVITE

Trade Mark *Vitamin Tablets and Emulsion* Brand

'Nestrovite' Tablets in boxes of 20 and 100. Emulsion in bottles of 4½ fl. ozs.

Distributors: Roche Products Limited, London, N.13, and Welwyn Garden City.

ROCHE

THE SWEDISH ALKALINE TABLE WATER

—a natural water of tonic properties, used extensively by athletes and invalids in Sweden.

Supplied by Special Warrant to H.M. the King and H.R.H. the Crown Prince of Sweden, and also to H.M. the King of Denmark.

RAMLÖSA

50 YEARS' REPUTATION FOR MEDICINAL AND TABLE USE

This famous natural mineral water is bottled at the source and slightly aerated with pure Carbonic Acid. The characteristics of "Ramlösa" are a relatively high Sodium Carbonate content in combination with an uncommonly low content of Calcium and Magnesium Salts (practically no lime) and a virtually complete absence of iron. "Ramlösa," in consequence, avoids the fault of certain natural mineral waters which upset the digestion by partially neutralising the hydrochloric acid in the gastric juice. "Ramlösa" considerably increases the amount of urine and is therefore indicated in the treatment of diabetes, gout, kidney troubles and other metabolic disorders, as well as in rheumatism and in conditions where a large supply of fluid is of importance as a mild form of irritant physical therapy.

ANALYSIS (per litre)

Sod. Bicarb.	.53 gm.	Pot. Bicarb.	.0003 gm.
Sod. Chlor.	.041 gm.	Potass. Sulph.	.0003 gm.
Mag. Carb.	.0016 gm.	Silicon Ox.	.006 gm.
Protoxide of Iron	.000015 gm.		

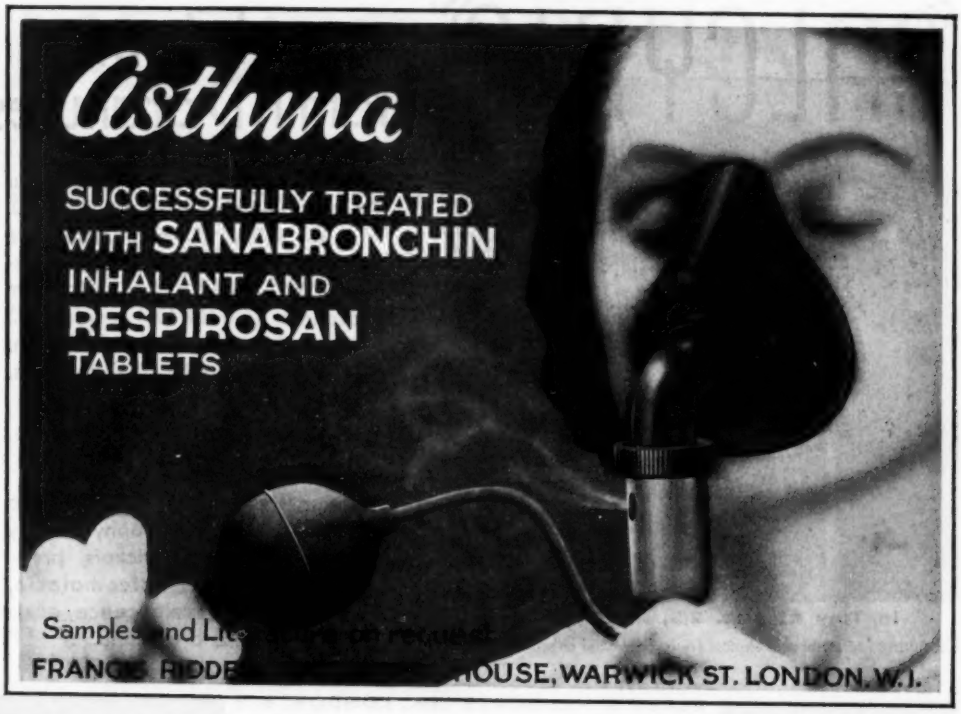
Retail prices (per dozen bottles)
Large, 13/-, Small, 9/-, Splits, 7/-.

SAMPLE BOTTLE FREE ON REQUEST

Supplied by the Army & Navy Stores, Harrods, Selfridges, Barkers and the Trade generally.

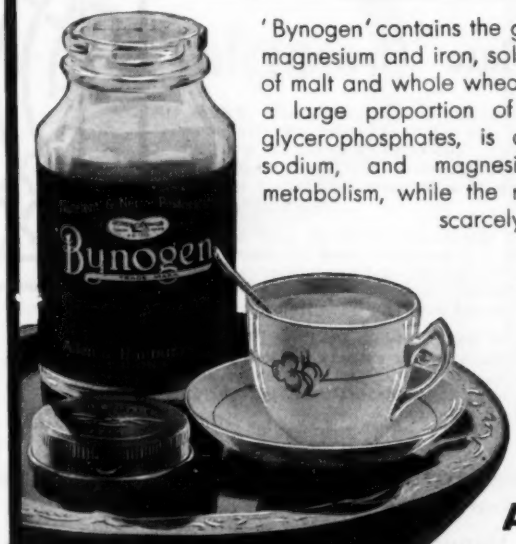
Sole Wholesale Distributors:
INGRAM & ROYLE LTD., 45, BELVEDERE ROAD, S.E.1

Sole Agent in Gt. Britain:
COL. DRAGE, CRICCIETH



'BYNOGEN'

Malt-Casein-Mineral Food



'Bynogen' contains the glycerophosphates of sodium, calcium, magnesium and iron, soluble milk proteins, and soluble extract of malt and whole wheat. The soluble milk proteins contain a large proportion of casein, which, in addition to the glycerophosphates, is a source of phosphorus. Calcium, sodium, and magnesium also play important parts in metabolism, while the necessity for iron in blood-formation scarcely calls for mention.

These constituents, with the nutritive malt extract, give 'Bynogen' its restorative value, and the agreeable flavour of this product is one of its points of superiority to most other products of its class.

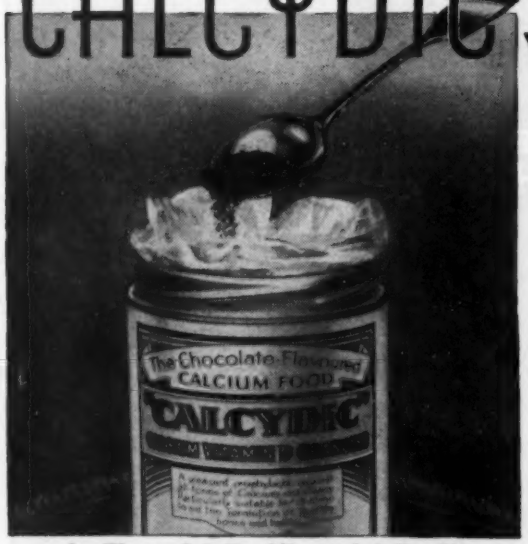
In bottles at 1/9, 3/- and 5/-, and tins at 9/-

Allen & Hanburys Ltd.
London, E.2

Telephone: Bishopsgate 3201 (12 lines)
Telegrams: "Greenburys Beth London"

"CALCYDIC"

calcium vitamin D granules



In Tins of ¼ lb. 2/3, and 1 lb. 4/-

Descriptive literature and clinical trial sample will be sent on request

Supplies of calcium and phosphorus are essential to the action of vitamin D. Whereas ordinary calcium phosphate contains 1 part by weight of phosphorus to 2 of calcium, dicalcium phosphate ($CaHPO_4$) contains 3 parts of phosphorus to 4 of calcium. "Calcydic" Granules are delicious.

Each teaspoonful contains—

Dicalcium phosphate	7½ grains
Vitamin D	1,500 units
Glucose, Chocolate and Cane Sugar	

These granules may be given to children or adults, prophylactically or therapeutically, in rickets, pregnancy, lactation, osteomalacia, menorrhagia, convalescence, chilblains, and urticaria.

Manufactured in England by

ALLEN & HANBURYS Ltd., LONDON, E. 2

Telephone: 3201 Bishopsgate (12 lines). Telegrams: "Greenburys, Beth London."

ALASIL

Safe Salicylate Therapy

THE popularity of acetyl-salicylic acid is undoubtedly due to the fact that it is one of the safest and most effective non-narcotic analgesics available. Too often, however, its use has been discarded by the physician on account of its tendency to irritate the stomach and because entirely pure preparations are not always available.

"Alasil" provides the beneficial therapeutic effects of pure acetyl-salicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines calcium acetyl-salicylate—the least irritating salicylate compound—with "Alocol," a potent gastric sedative and antacid.

Since "Alasil" is better tolerated than acetyl-salicylic acid its use can be pushed or prolonged to a much greater extent than the latter. "Alasil" is, therefore, an analgesic, antipyretic, and anti-rheumatic, which can be employed with complete confidence in all the many conditions in which such an agent is indicated.

A supply for clinical trial with full descriptive literature sent free on request:

A. WANDER, Ltd., Manufacturing Chemists,

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M267

MEDISOAP No. 19

(MIDGLEY)

This Medisoap is well adapted for use in:—

ACNE VULGARIS
ACNE ROSACEA
FAVUS
SCABIES
PRURIGO
PSORIASIS
PITYRIASIS ROSEA

Formula:—

Sulph. Præcip.	5%
Camphora - -	5%
Bals. Peru -	3%
Medisoap Base	87%

Price 1/3 per tablet.

A clinical index to the 49 Medisoap formulae will be sent to physicians on request.

Evans Sons Lescher & Webb Ltd., Liverpool and London

Otalgan

Otitis media, Otalgia

For the conservative treatment of Otitis Media, Inflammation of the Tympanum and Tympanic Membrane, and complications of the ear arising from coryza, Influenza and other infectious diseases.

Bottles of - - 6 cc. and 10 cc.

N.B.—The Name **OTALGAN** has **NEVER BEEN CHANGED**

Tyronorman

a Thyroid-inhibitory Substance **free from iodine, accordingly innocuous,** effective by oral administration, without addition of any medicinal agent, for conservative treatment of **Graves' Disease, Thyreotoxicoses,** disturbances of milk secretion of thyreogenic origin, iodine-free pre- and post-operative treatment in Graves' disease.

Accurately standardised: 1 tablet = 10 antithyroid units.

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Conquer Pain with Dilaudid

1. Powerful analgesic effect.
2. Prompt and enduring action.
3. Particularly suitable for protracted treatment.
4. High degree of tolerance.
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An advance in opiate medication

Oral tablets
Ampoules

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A combination of sugar of milk with a carefully controlled portion of Vitamin D, together with essential mineral constituents which ensure an adequate supply of iron and calcium. When added to cow's milk, Matrilac enriches the milk in those accessory food factors which are most likely to be deficient and which are essential to the maintenance of health and normal growth in the infant.

8 ounce tin	- -	1/6
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NEWCASTLE MEDICAL EXHIBITION
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A New Magsorbent Product

Granules and Tablets

MAGSORBENT GLUCOSE

(Regd. Trade Mark)

(Magsorbent Brand of Magnesium Trisilicate with Glucose.)

A pleasant carminative combination of pure medicinal Glucose (Dextrose) and Magsorbent, flavoured with the finest oil of Peppermint.

The preparation will be found of particular value in the treatment of Acidosis in children.

Its corrective action in acid conditions is compound:

1. By neutralisation of the products of acid fermentation in the stomach and intestines.
2. By normalisation of fat metabolism and the prevention of ketosis.
3. By its sustained control of the reaction of the gastric juice.
4. By its powerful adsorption of intestinal toxins and its protection of the liver.

INDICATIONS

Acidosis, Ketosis, cyclical vomiting, Insulin reaction, also train, car, air, and sea sickness.

PRICES: Granules 1/6; Tablets, 50—1/4, 200—4/-.

Samples and literature from the sole manufacturers,

KAYLENE LIMITED.

WATERLOO ROAD : : LONDON, N.W.2

Sole Distributors: **ADSORBENTS, LIMITED.**

Whooping Cough is under control . . .

Extensive trials of the Whooping Cough Dissolved Vaccine G.L. in public and private practice confirm that effective *control* of this disease is now possible. When inoculated prophylactically with the Dissolved Vaccine G.L., a great proportion of contacts have escaped the disease. And actual cases, when treated at the first sign of paroxysmal cough, have also consistently responded to therapeutic injection, the disease being frequently aborted or the duration of illness considerably shortened.

In the Dissolved Vaccine G.L. the antigens are (a) *in solution*, giving rapid immunity response; (b) *detoxicated*, permitting adequate dosage without undesirable reactions.

WHOOPING COUGH DISSOLVED VACCINE-G.L

Prices: *Rubber-capped bottles: 5 cc., 10/9; 10 cc., 15/6; 25 cc., 25/-. Less usual professional discount.*

GLAXO LABORATORIES LTD. GREENFORD, MIDDLESEX. BYRON 3434

'CYSTAZOL'

A POWERFUL URINARY ANTISEPTIC

'Cystazol' is a combination of Hexamine with Sodium Benzoate: its action depends on the liberation of formaldehyde from the decomposition of the hexamine that takes place in the urine which has been rendered acid by the sodium benzoate moiety.

'Cystazol' is employed with advantage in cystitis, bacilluria of all types, pellagra, gonorrhœa and septic conditions of the urinary tract generally.

COMPRESSED TABLETS of 'Cystazol'

Supplied in bottles of 20, 40, 80, 160 and 500 (10 grain) tablets, at 1/6, 2/6, 4/6, 8/6 and 20/-

EFFERVESCENT GRANULES of 'Cystazol'

Supplied in bottles at 2/6 and 4/6.

Descriptive literature and clinical trial sample will be sent post free on application.

Allen & Hanburys Ltd., London, E.2

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PERFECT CALCIUM RETENTION

WITH **KALZANA**

THEREFORE

PERFECT CALCIUM THERAPY

BLOOD ALKALINITY IS BROUGHT TO NORMAL by the Sodium-Lactate constituent of Kalzana, and so retention of the Calcium is ensured. Upon adequate retention depends successful Calcium therapy, and Kalzana has thoroughly proved its supremacy in this field.

Kalzana is dispensed by chemists in packages containing 50 and 100 plain tablets. Also direct from us for your own dispensing at 15/- per 1000 (plain tablets). In powder form at 7/- per lb. (These prices do not apply in Eire.)

SAMPLES AND LITERATURE WILL GLADLY BE SENT ON REQUEST TO:

THERAPEUTIC PRODUCTS LTD. (DEPT. L.28) AINTREE RD., PERIVALE, GREENFORD, MIDDX.

SAFETY AND EFFECTIVENESS

During oral therapy of urogenital infections paramount considerations confronting the physician are safety and effectiveness. Pyridium is established as a safe and effective remedy in the treatment of these conditions.

Advantages of Pyridium Therapy include:

- Relief of distressing symptoms.
- Effectiveness in either acid or alkaline urine.
- Gratifying clinical results as evidenced in the literature.
- Convenience of administration in tablet form.
- No special diet required.
- Elimination by the urinary tract without irritation or toxicity in therapeutic dosage.

The value of Pyridium (phenyl-azo-alpha-alpha-diamino-pyridine hydrochloride) is established in cystitis, pyelitis, urethritis, prostatitis, vaginitis, and in preoperative urinary tract infections.

Samples on request

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MANDECAL

(Compound Calcium Mandelate B.D.H.)

Clinical trials with Mandecal (*Lancet*, February 26th, 1938, p. 494) on a series of 33 hospital patients have established the value of this product as a bacteriostatic and bactericidal agent in the treatment of urinary infections. Mandecal is also shown to be markedly less irritating and nauseating than the salts of mandelic acid hitherto used.

Further, in Mandecal the immiscibility of calcium mandelate has been entirely overcome, and it approximates to the ideal urinary antiseptic; it is particularly indicated for hypersensitive patients who may be unduly nauseated by other mandelic acid preparations.

Sample and literature on request

THE BRITISH DRUG HOUSES LTD.
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ETHYL CHLORIDE

CHLORYL ANÆSTHETIC
(DUNCAN)

FOR GENERAL and LOCAL ANÆSTHESIA
IT IS INDISPENSABLE IN THE SURGERY

Duncan

Ethyl Chloride (Duncan) is perfectly free from hydrochloric acid, empyreumatic bodies, etc. It has a pleasant ethereal odour and its vapour is non-irritating.

Supplied in 30 c.c. and 60 c.c. graduated flasks or in 5 c.c. hermetically sealed ampoules.

May be had perfumed with Eau de Cologne if desired.

Descriptive Booklet and Prices on Application

DUNCAN, FLOCKHART & CO.
EDINBURGH and LONDON
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PNEUMONIAS

★DEATH RATE MORE THAN HALVED
by intramuscular injections of

'SOLVOCHIN' TRADE MARK BRAND — 25% AQUEOUS QUININE SOLUTION

and

'TRANSPULMIN' TRADE MARK BRAND — QUININE-CAMPHOR-VOLATILE OILS

★ *Such are the findings of Cahn-Bronner—"Medical World"* xxviii, *No.* 25, 1928.

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Distributors:
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Convalescence

In convalescence a tonic is required that will co-operate with, and augment, the natural recuperative powers of the body, rather than one which will have only an immediate stimulating effect. In the latter case there is always the danger of disappointment, due to an artificial improvement that the natural powers are unable to stabilise.

Medical evidence extending over many years has established the value of Sanatogen in promoting convalescence. In "The Elements of Pharmacy, Materia Medica and Therapeutics", Sir William Whitla writes:—

> "... *The interesting and valuable researches conducted by Tunnicliffe and Beddoes upon metabolism, in which Sanatogen was experimented with, establish the fact that its organic phosphorus is almost entirely assimilated when the food is administered in the amount necessary for the needs of the body. When given in addition to other food, the amount of nitrogen and phosphorus retained in the organism is increased; the tissue metabolism is more complete, the constituents of the ordinary food being more thoroughly utilised; appetite is increased and the body weight augmented.*"

Similarly gratifying observations are constantly being notified, and, as Sanatogen is entirely free from fats, sugars and carbohydrates, it can safely be prescribed in all types of cases. It is rapidly and easily digested and assimilated, even in cases exhibiting severe gastric inflammation, and for this reason it is a valuable addition to enemata. It can be added to any non-acid beverage or food, and, consequently, monotony in its administration can always be avoided.

SANATOGEN

A CHEMICAL COMBINATION OF 95% MILK CASEIN AND 5% SODIUM GLYCEROPHOSPHATE

Clinical samples and literature available on request to

GENATOSAN LTD.,
LOUGHBOROUGH,
LEICESTERSHIRE.

DOSAGE. For children and adults two teaspoonfuls three times daily, or according to circumstances. For infants, ½ teaspoonful added to each bottle feed.

Sold by all chemists price 2/3 to 19/9

During the Age of Growth

AT no time, throughout the span of life, is the proper and orderly balance of calcium, phosphorus and iron, vitamins and other highly important food elements more readily disturbed than during the period of active growth and development.

The food supply of every child should, therefore, contain an adequate proportion of these important substances, if normal progress is to be maintained. The construction of an entirely correct dietary, to suit the varying requirements of each individual is, however, beyond the possibility of realization in ordinary practice.

Many physicians ensure that the ordinary dietary of the young patient is safe and adequate by advocating the daily addition of 'Ovaltine.' This is a complete, well-balanced food, rich in natural vitamins and in readily assimilable calcium, phosphorus and iron.

'Ovaltine' is composed of full-cream milk, new-laid eggs and malt extract. Its sugar content is chiefly in the form of maltose, a very readily available source of energy. No cane sugar or chocolate is added to give bulk or to cheapen the cost. 'Ovaltine' is delightful to the taste and readily assimilable even by digestions impaired by disease.

'OVALTINE'

TONIC FOOD BEVERAGE

M.287

A liberal supply for clinical trial sent free on request.

A. WANDER, LIMITED
184, Queen's Gate,
LONDON, S.W.7

Laboratories and Works:
King's Langley, Herts.

Servants of high official bearing offerings to the Tomb.

Pediatrists approve these purées

A range of Strained Foods giving maximum nutritive values

THE nutritional value of vegetable purées for infants and soft diet cases is receiving the endorsement of the medical profession to a very marked degree.

Hitherto the difficulties and deficiencies of home preparation—inefficient sieving and destructive oxidation—not to mention the tedium and labour involved—have hindered practical application, but the introduction of a complete range of strained foods by H. J. Heinz Co. Ltd. has been universally accepted as the solution of this problem.

H. J. Heinz Co. Ltd., with their exceptional experience in food preparation, have recognised the legitimate possibilities of supplying strained foods of that maximum nutritive value, uniformity and convenience which only good factory practice can achieve.

The vegetable and fruit purées of H. J. Heinz Co. Ltd. are prepared under conditions of the most scrupulous care with special reference to minimising mechanical loss of mineral salts and other soluble nutriments. The edible portions are washed and trimmed and then cooked under light steam pressure until in perfect disposition for comminution by extrusion and cutting. All mineral salts, vitamins and other soluble nutriments are retained, while harsher fibres, if any, are so reduced as to be non-irritant. The raw materials are purchased when and where seasonal and regional conditions of growth are most favourable, and only fresh gathered vegetables of the highest quality are used.

After the straining process the purée is adjusted to a proper solid content convenient for marketing. Absorbed air is removed and sealing *in vacuo* follows in specially prepared enamel-lined containers. The process concludes with high-temperature sterilisation.

PROTEIN	4·8
CARBOHYDRATES	8·8
CALCIUM	0·012
PHOSPHORUS	0·083
IRON	0·0016
VITAMIN A.	GOOD
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VITAMIN G.	FAIR
CALORIES PER OZ.	17·0

A typical example of the high nutritive values retained in Heinz Strained Foods. (Figures show percentages on the wet basis)

NOTE: Glass containers are not used owing to the deteriorating effect of light on vitamin content and on the palatability of the products.

HEINZ STRAINED FOODS

SPINACH
TOMATOES
CARROTS
VEGETABLE SOUP
PEAS
GREEN BEANS
MIXED GREENS
BEETS
PRUNES
CEREAL
APRICOTS AND APPLE SAUCE

★ ***Fully explanatory literature and samples gladly sent on request.***

H. J. HEINZ COMPANY LIMITED, HARLESDEN, LONDON, N.W.10

Cod Liver Oil

is the Liver Oil with the

OFFICIAL BACKING OF THE MINISTRY OF HEALTH AND LEAGUE OF NATIONS NUTRITION COMMITTEE

As every practitioner knows, no other liver oil has such a record of achievement as Cod Liver Oil. For it contains Vitamins A and D in the right proportion. In fact, the study of vitamins originated through Cod Liver Oil. Its only drawback in the past has been its taste. Now this difficulty has been overcome. "SevenSeaS" provides, *for the first time*, Cod Liver Oil in a palatable form—so palatable that it can be taken with ordinary foods, and it is available in "High Potency" form, too.

"SevenSeaS" is obtainable in three forms: (1) "High Potency" Oil—four times "B.P." standard; (2) "High Potency" Capsules containing 5 mm. dose of "High Potency" Oil; (3) Standard "B.P." Oil. We would like all practitioners to prove "SevenSeaS" "High Potency" Cod Liver Oil to their own satisfaction. Please send to the address below for a free sample.

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(25 *capsules*) - **1/6** *bottle*
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"B.P." STANDARD OIL 10d. & **1/3** *bottle*

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CRUNCHY FOODS AND THE TEETH

Crisp, fibrous foods are generally considered to perform a useful function in scouring the teeth, thus keeping them free from sticky food particles, which are apt to ferment and cause decay. The plentiful saliva, which hard, dry foods produce, is also of value in cleaning the mouth.

Furthermore the vigorous mastication that hard foods demand is generally held to assist the growth and correct development of the jaws.

For these reasons many practitioners recommend that the normal diet should include a proportion of hard, dry foods. They find that Ryvita eaten daily has a beneficial effect upon the teeth, especially those of children. Free samples of Ryvita for distribution to patients will gladly be supplied on request.

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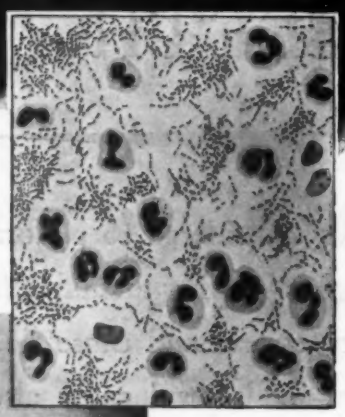
HAEMOLYTIC STREPTOCOCCAL INFECTIONS....



- STREPTOCOCCAL SEPTICAEMIA
- PUERPERAL SEPSIS
- ERYSIPELAS
- EMPYEMA
- SCARLET FEVER
- OTITIS
- MASTOIDITIS ETC.

RUBIAZOL

CARBOXY-SULFAMIDO-CHRYSOIDINE

TRADE MARK

- HIGH ACTIVITY AT LOW DOSAGES
- NO CLINICAL MANIFESTATIONS OF TOXICITY
- FOR PROPHYLAXIS AND TREATMENT
- MORE ACTIVE ORALLY THAN BY INJECTION
- PER ORAL NO PRACTICAL COLORATION OF URINE

CLINICALLY THE MOST ACUTE CASES RESPOND To 2 GRAMMES (30 GRAINS) PER DAY ADMINISTERED ORALLY

Tubes of 20 TABLETS at 0.20 gramme (3 grains), Boxes of 5 AMPOULES of 5 cc. (5% solution INTRAMUSCULAR) and clinical packings.

Literature and Samples on request

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Formula

Intestinal glands - -	0.05 grms.
Biliary extract - -	0.10 ,,
Lactic ferments - -	0.05 ,,
Agar-agar - - - -	0.05 ,,
Fiat tablet - - - -	0.35 ,,

Initial Daily Dose
Two Tablets

Laxatives, it is well known nowadays, must have two essential characteristics.

1. They must be biological, i.e., they must accord with and imitate in their action the natural physiological processes of the intestine.
2. They must be capable of educating the intestine, so that the habit of a laxative is not formed and the intestine can function unaided when bowel adjustment is attained.

Taxol has both these advantages.

Taxol has not the violent irritant action of many laxatives and purgatives, but stimulates the intestine by processes which resemble those of nature. The intestinal gland which is an important part of its composition acts on the intestine by reinforcing the deficient function which has culminated in constipation. This stimulating action is gentle, and does not force the weakened intestine to efforts beyond its power, which would culminate in aggravation of the constipation.

Taxol is not habit-forming. It re-educates the intestine to resumption of normal function unaided, thanks to the biological nature of its action. It contains no irritant drug of violent and artificial action to which the intestine can become accustomed. On the contrary, many stubborn cases of constipation, after a course of TAXOL, revert to normal and regular peristalsis.

CONTINENTAL LABORATORIES LTD. 30 MARSHAM STREET, LONDON, S.W.1

MILTON
Antiseptic Fluid

DETERGENT
PENETRATIVE
GERMICIDAL
OSMOTIC
NON-TOXIC
LIQUEFACTIVE
REGENERATIVE

1. DETERGENT

It dissolves necrotic animal tissue and decomposes (by oxidation) organic toxins, the odours of which are instantly destroyed.

2. PENETRATIVE

Its action is not merely superficial but extends deep into the tissues.

In hardened agar it has been proved to penetrate to a depth of ½ inch in 48 hours.

3. GERMICIDAL

It acts lethally on all the common pathogenic organisms found in wounds and infected areas generally, with a Hygienic Laboratory coefficient for *B. typhosus* of 4·98.

Other typical coefficients are :—

B. coli communis	2·12
B. tetani	1·34
B. anthracis (spores)	2·66
B. enteritidis	2·12
B. influenzæ (Pfeiffer)	2·65
B. tuberculosis	2·17

4. OSMOTIC

Like all hypertonic salines it acts osmotically, promoting leucocytosis and reducing œdema.

5. NON-TOXIC

It is bland to living tissue and (in contrast to other hypochlorites) contains no caustic element.

Fifty per cent. Milton applied to delicate cutaneous tissues for one hour was shown to have no irritant effect.

6. LIQUEFACTIVE

In contrast with most chemical antiseptics, it does not coagulate proteins, except at full strength.

Ten per cent. Milton shows no coagulation with saliva or horse-serum. Even the proteins insoluble in water, as myosin and fibrinogen, are readily soluble in Milton.

7. REGENERATIVE

It has the property of stimulating the growth of new tissues.

One per cent. Milton has been shown to increase cell-division in tissues beyond the normal, thereby accelerating the healing process.

These properties indicate clearly the mode of using Milton—e.g., for wounds and lesions generally :

(*a*) Cleanse the wound thoroughly with fairly strong Milton, frequently applied and freely used. In this process Milton is " unactivated " by dissolving and removing necrotic tissues, leaving sodium chloride only.

(*b*) Cover the clean wound with a Milton pack, changing frequently. Here its germicidal and osmotic properties come into action, assisted by absence of causticity and coagulation.

(*c*) On commencement of healing, reduce the strength of the Milton gradually.

Under such rational treatment it is rarely that a fresh wound heals otherwise than by " first intention."

MILTON IS SUPPLIED AT A STANDARD STRENGTH READY FOR IMMEDIATE USE, AND IS STABLE. MILTON IS SAFE FOR EITHER EXTERNAL OR INTERNAL APPLICATION.

The distinctive qualities of this carefully designed preparation and its superiority over other " hypochlorite " antiseptics—*e.g.*, Dakin's fluid (Liq. sod. chlorinatæ) and Eusol—have been clearly demonstrated by special Laboratory researches, the results of which have been amply confirmed in practical use. Copies of these reports and a sample of Milton will be forwarded to any medical practitioner on request.

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Possibly the most interesting clinical application of 'Benzedrine' Brand Tablets (β-Phenylisopropylamine Sulphate) is with that ill-defined group of non-psychopathic cases with persistent functional symptoms of apathy, weakness, exhaustion, and undue fatigability.

When these patients fail to respond to rest and the usual methods of treatment, 'Benzedrine' Brand Tablets are often particularly helpful.

A sample of 'Benzedrine' Brand Tablets together with the most recent literature on the treatment of such asthenic conditions will be sent to any interested physician on request.

"From the evidence which has so far accumulated, Benzedrine does not appear to be toxic in usual doses nor does it seem to be habit forming."
Jour. Amer. Med. Assoc., 109:549, 1937.

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BRAND
TABLETS

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Veganin Tablets present acetylsalicylic acid, phenacetin and codeine in synergistic combination, whereby the individual action of each constituent is greatly enhanced.

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BRAND TABLETS
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IMMUNE GLOBULIN (HUMAN)

Lederle

BECAUSE of the frequency of complications, the mortality rate of measles is high—higher than that for whooping cough, diphtheria and scarlet fever.

Complications can be avoided by the use of IMMUNE GLOBULIN (HUMAN) *Lederle*, particularly those of broncho-pneumonia—responsible for about 50% of deaths in the infant age group (6 months to 3 years).

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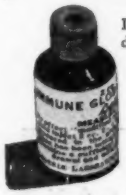
PATIENTS TREATED FOR PROTECTION OR MODIFICATION

ALL TYPES OF EXPOSURE

Procedure	Cases	Per Cent. Protected	Per Cent. Modified	Per Cent. Failed
Adult Serum	584	56·4	23·8	19·8
Convalescent Serum ...	1,627	75·4	16·8	7·8
Immune Globulin ...	**1,341**	**71·5**	**23·9**	**4·6**

Eley, R. C., *N.E. Journ. Med.*, Aug., 1935, 213, 195



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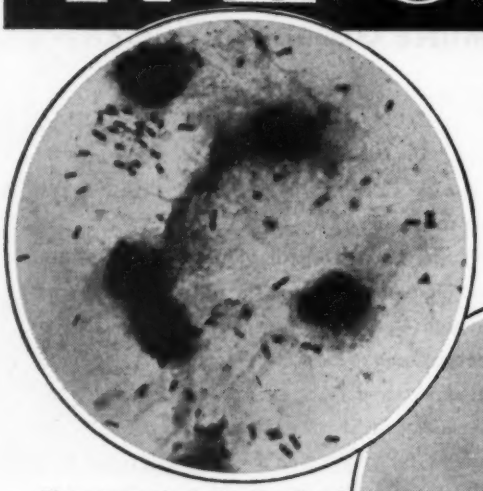


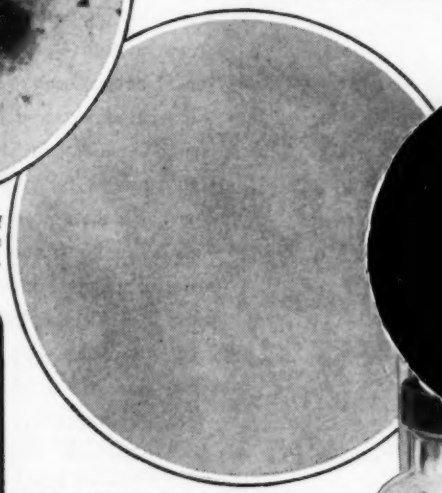
Photomicrograph showing B. coli *and pus cells taken from the urine of a patient before treatment with Neoket.*

COMPOUND MANDELIC ACID GRANULES in the treatment of URINARY INFECTIONS

INDICATIONS

***B. coli* infections of the urinary tract Pyelitis, Cystitis.**

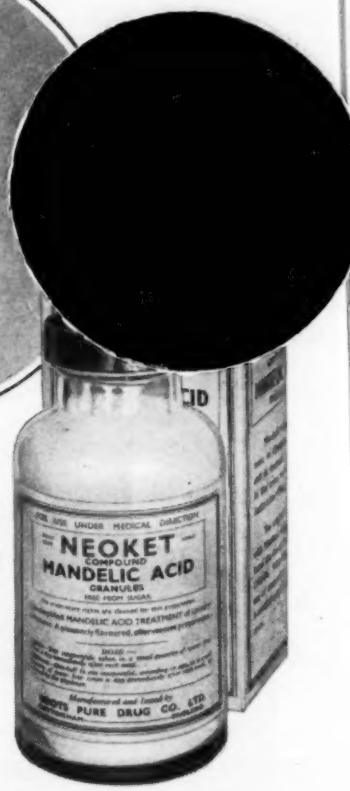
Neoket may be taken by expectant and nursing mothers and as it is free from sugar it is also suitable for diabetics.



Photomicrograph of urine from a patient six days after treatment with Neoket. The urine showed no pus and no organisms, and was sterile on culture.

CASE REPORT

Right-sided Pyelitis in a female aged 62. The kidney had been removed 35 years previously. The urine contained very large numbers of *B. coli* (proved by culture and bacteriological examination). The patient was placed on Neoket and her fluid intake restricted to about 2 pints daily for 8 days. The urine was then cultured and found to be sterile, but Neoket was continued for another week. The patient was seen 12 weeks after the commencement of treatment with Neoket, she was entirely free from symptoms, and the urine on microscopic examination was entirely free from pus and organisms.



AMMOKET (Elixir of Ammonium Mandelate)

MANDELIC ACID

SODIUM MANDELATE

Cachets of AMMONIUM CHLORIDE

METHYL RED SOLUTION

are also available for use in the treatment of Urinary Infections.

Literature and further particulars may be had on application to the

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BOOTS PURE DRUG Co. Ltd

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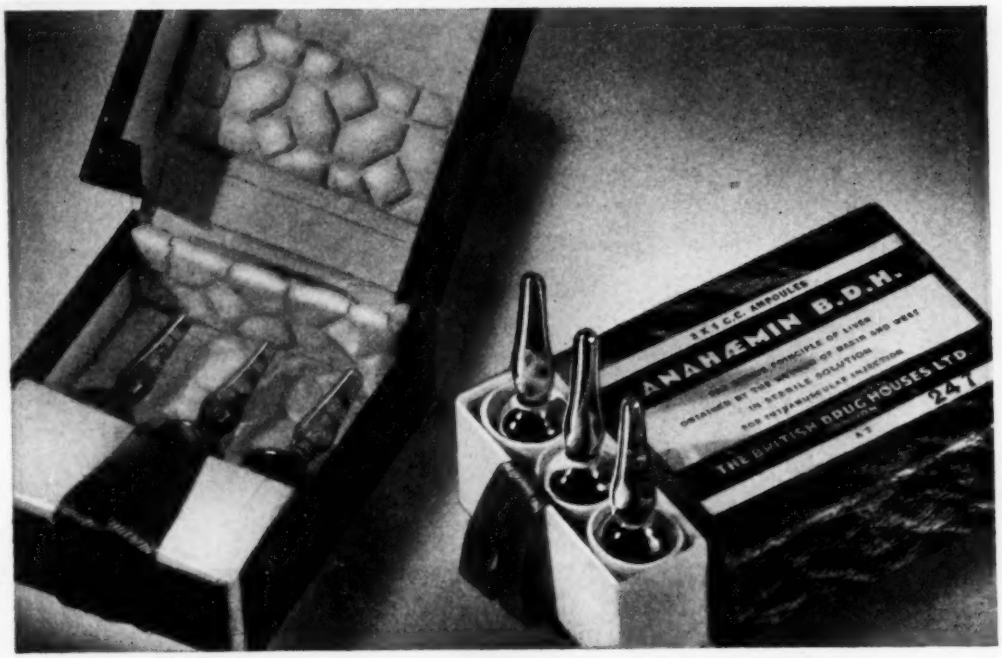

ANAHÆMIN B.D.H.

In the treatment of pernicious anæmia

The following clinical report upon a very severe case of pernicious anæmia for the treatment of which it was deemed advisable to adopt a scheme of dosage on a higher scale than is necessary in average cases is of unusual interest.

Female 68 years	. . . pallor, lassitude, anorexia, nausea, vomiting, giddiness, weakness, and numbness of the legs. Sleeping badly. Losing weight.
On admission	T.100.2 P.100 R.23 B.P.110/70
Treatment	31.8.37, 1.9.37, 3.9.37, 5.9.37 and 10.9.37 2 c.c. of Anahæmin, then twice weekly
Blood counts	1.9.37 Hb.25% r.b.c. = 1.2 millions per c.mm. C.I. = 1.0 20.9.37 (21st day of treatment) Hb.65% r.b.c. = 3.6 millions per c.mm. C.I. = 0.9
Summary	In 7 days, after 8 c.c. of Anahæmin, hæmoglobin rose from 25% to 45%. In 14 days, after 10 c.c. of Anahæmin, Hb. rose to 55% and the red cells in the smear showed very little abnormality.

Sample on request

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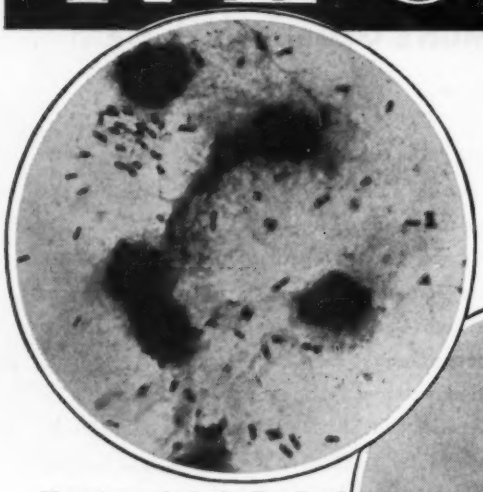

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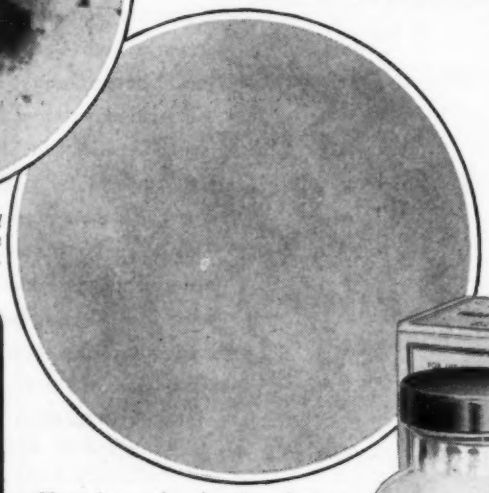

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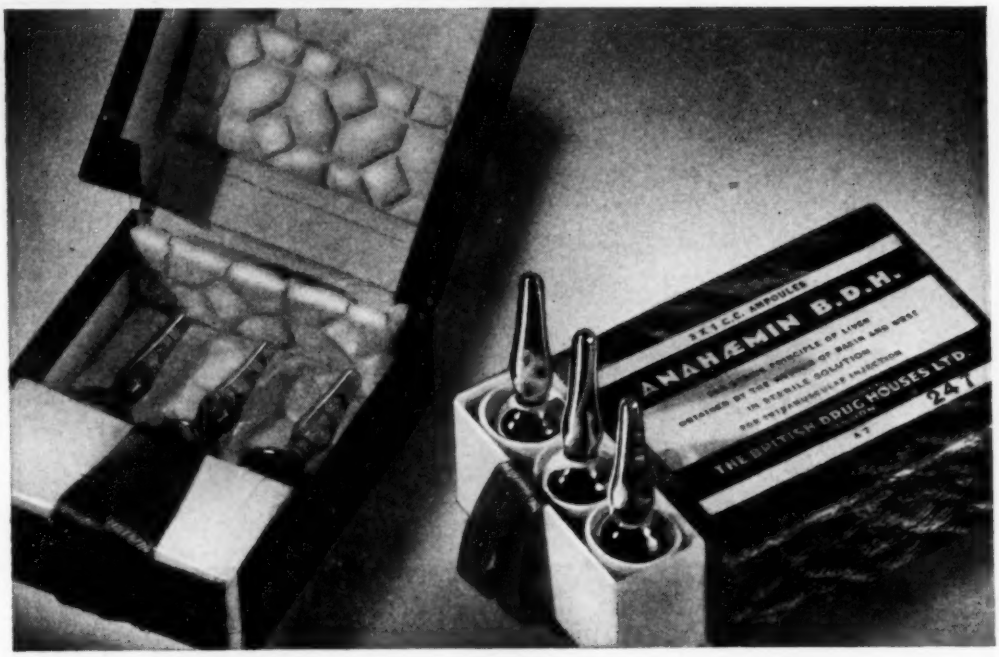

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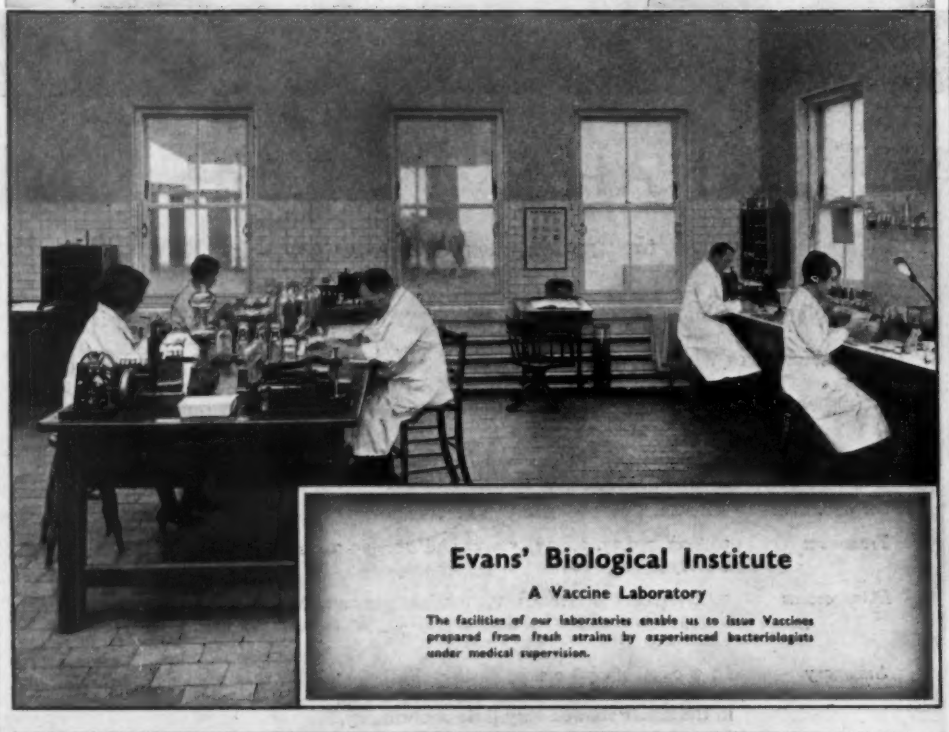

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COMPOUND METHYL SALICYLATE OINTMENT

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An excellent rubifacient. Exercises in a remarkably satisfactory way the full analgesic, local antiseptic and counter-irritant properties of the components. Superior to liniments.

Collapsible tubes, 1/2

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O O O O O

ISIS AND SARAPIS, WORSHIPPED IN ASSOCIATION, WERE BY FAR THE MOST CELEBRATED OF THE FOREIGN DEITIES ADOPTED BY THE ROMANS. —Isis and Sarapis came to Rome from Alexandria. In spite of State opposition, the cult of Isis attracted large numbers of enthusiastic adherents, while Sarapis became a formidable rival to Æsculapius. Temples were raised in their honour where medical treatment was carried out by methods of incubation, ritual purification, divination, incantation and by general hygienic measures, including diet. Qualified physicians are also said to have contributed their knowledge and skill in treating the patients. Isis is here shown bearing the sign of her Egyptian origin—a sun's disk surmounted by plumes between the horns of Hathor—and carries a sistrum, which is broken. Before her stands her son Horus, and on her left Sarapis, sometimes called her husband, wearing the *modius* head-dress.

DATE: In parts of Italy, c. 250 B.C. In Rome, from c. 120 B.C.
The relief, A.D. c. 1–200

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A Liquid Endocrine Tonic

with a positive pharmacologic action on the energy liberating mechanism of the body.

Increased energy from increased utilization of the foodstuffs.

G. W. CARNRICK CO.
20 Mt. Pleasant Ave., Newark, N. J., U. S. A.

Bottles of 6 ounces

Distributors

BROOKS & WARBURTON, Ltd.
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TRADE MARK **'RETICULOGEN'** BRAND

PARENTERAL LIVER EXTRACT WITH VITAMIN B_1

A new highly concentrated and refined solution of Liver extract for the treatment of pernicious anæmia.

Dosage: For treatment of cases in relapse, at the time treatment is instituted, a dose of 0.5 cc. given on three successive days is usually indicated. After the initial injections on three successive days, a dose of 0.5 cc. at intervals of one to two weeks usually suffices to maintain an adequate red cell response.

Supplied: In packages containing three 0.5 cc. rubber stoppered ampoules; and in 5 cc. rubber stoppered ampoules.

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ELI LILLY AND COMPANY LIMITED

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Distributing Agent in Britain for

ELI LILLY AND COMPANY, INDIANAPOLIS, U.S.A.

building bodily strength

Wine made from grapes grown on ferruginous soil in a warm climate has long been recognised as a valuable *natural* tonic particularly suitable for use in convalescence. It is pleasant to the taste and its effects are immediate and lasting.

Burgoyne's

TINTARA

FERRUGINOUS

Quality approved and checked by the British Analytical Control.

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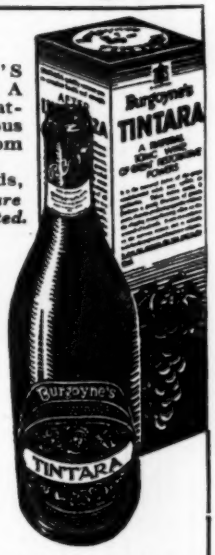
BURGOYNE'S TINTARA is a very full, natural ferruginous burgundy from Australia. It is low in acids, *absolutely pure and unadulterated.* A sample will be sent free in the United Kingdom on receipt of professional card.

4/- per bottle

2/2 per ½ bottle

Also in flagons and ½ flagons at 6/- and 3/-



(A flagon equals a bottle and a half.)

MENINGOCOCCUS ANTITOXIN

Meningococcus Antitoxin has been developed by immunizing horses with the soluble exotoxins. The antitoxic property of the serum is demonstrated by its ability to neutralize toxin, as shown by intradermal injection in susceptible human beings.

A number of cases of cerebro-spinal fever, treated with Ferry's Meningococcus Antitoxin in certain hospitals of the London County Council at the request of the Ministry of Health, were reported in *The Lancet*, April 13, 1935.

Several clinical considerations are advanced to strengthen the suggestion that the antitoxin is more potent therapeutically than the usual polyvalent serum, at least for Group I (types I and III) infections.

Meningococcus Antitoxin (P., D. & Co.) is supplied in 30 c.c. vials, representing 10,000 units of antitoxin.

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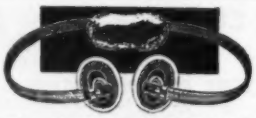

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This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S.Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 2251.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor. Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." **33, PECKHAM RD., LONDON, S.E.5.** Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 3841

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary Patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

VALE OF CLWYD SANATORIUM.

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

NORTHUMBERLAND HOUSE

GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

THE ROYAL EARLSWOOD INSTITUTION

FOR MENTAL DEFECTIVES, REDHILL, SURREY.

(Formerly the EARLSWOOD ASYLUM.) PATRON: H.M. THE KING.

FOR THOSE REQUIRING CONTROL with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations, *SCHOOLS, FARMING, and various TRADE WORKSHOPS.*

Inclusive fees from £110 p.a. *THOSE UNABLE TO PAY FULL FEES* admitted by votes of subscribers with part payment towards cost.

RECREATIONS: Outdoor games. MALE STAFF BAND for Concerts, Dancing, etc.

Apply: THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey, *'Phone:* REDHILL 344: or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.4, *'Phone:* CITY 4697.

THE RESIDENTIAL TREATMENT OF ALCOHOLISM & DRUG ADDICTION

RENDLESHAM HALL

(Postal Address), WOODBRIDGE, SUFFOLK

RENDLESHAM HALL, which is open to receive patients, is essentially a Sanatorium. Its daily life and routine are that of an ordinary comfortable holiday or health resort, or of a large country house. Each patient has all the privileges of a guest consistent with the prescribed medical treatment.

RENDLESHAM HALL

Rendlesham Hall has 45 Bedrooms, and about 450 acres of Gardens and Park. It has also a private Nine-hole Golf Course, Tennis and Croquet Lawns, and Bowling Green.

Illustrated Booklet, giving particulars as to terms, etc., can be had on application to

THE RESIDENT MEDICAL SUPERINTENDENT

Telegrams and Telephone: WICKHAM MARKET 16. (Toll Call from London.)

Proprietors: THE NORWOOD SANATORIUM, LIMITED.

RUTHIN CASTLE, NORTH WALES

A Private Hospital or Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases).

The weekly fees are from 15 guineas according to the room occupied; rooms with bathroom are from 21 guineas. The charges include all chemical, bacteriological, X-ray or other examinations advised by the doctors, and all the usual forms of treatment, in addition to board and lodging. There are no extra charges except for alcohol (when ordered) and laundry.

An examination and consultation fee of 15 guineas is charged on the first visit.

The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

Address—THE SECRETARY, Ruthin Castle, North Wales.

Telegrams: Castle, Ruthin. *Telephone:* Ruthin 66.

The MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

Resident Physicians:
S. VERE PEARSON,
M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS,
M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY,
M.D. (Cantab.).

For all information apply:
THE SECRETARY,
THE SANATORIUM,
MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95 (2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

TERMS FROM 7½ GUINEAS WEEKLY

THE CLINIC

20 Devonshire Place
London, W.1

Tel.: Welbeck 4444 (20 lines)

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.).
8 Operating Theatres.
150 State Registered Nurses.
2 Resident Medical Officers (for emergencies).
Patients only received under the supervision of their own Medical Practitioner.
Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARRINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**
Illustrated Brochure C.J. and full information on request.
Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

Bad Kissingen

Treatment by mineral waters and baths. Natural carbonic acid brine, bubbling spring, mud and vapour baths for Stomach, Intestinal, Heart, Vascular, Rheumatic, Liver, Gall and Circulatory Troubles.

Prospectus through the Kurverein

Rakoczy Spring Waters for Home Treatment for the Stomach, Intestines and Circulation.

Obtainable direct from the Spa Management or through selling agents, a list of whom will be supplied.

60% reduction on the railway fare—Cheap travelling marks.

Information through THE GERMAN RAILWAYS INFORMATION BUREAU, 19, Regent Street, LONDON, S.W.1.

BAD - NAUHEIM

40 minutes from Frankfort-on-Main. **From Victoria 18 hours**

Affections of the Heart and Blood-vessels, Rheumatism, Nervous Disorders, Catarrhs

The action of naturally-warm carbonic-acid springs with saline contents, combined with first-class medical service.
BAD-NAUHEIM possesses in its Balneological Institute and in the William G. Kerckhoff-Institute a combined place of research on affections of the heart and blood-vessels, which provides the theoretical foundations and the scientific guarantee for the treatment of these ailments.

GOLF, SHOOTING, Etc.

Special terms for physicians and their families

For all particulars apply to German Railways Information Bureau, 19, Regent Street, S.W.1, and Tourist Offices, or to Kurverwaltung Bad-Nauheim.

SUNNYSIDE RESTORIUM
Hassocks, Sussex

The Ideal Centre for Patients convalescing after Illness or Operation, and for those requiring treatment by Physical Methods.

One hour from London, fifteen minutes from Brighton. Situated in delightful grounds overlooking the South Downs, The Sunnyside Restorium with its Southerly aspect and sheltered from cold winds enjoys a climate Mild but not Relaxing, the maximum of Sunshine and a complete freedom from Fogs.

Formed on the American Plan, patients reside in the cheerful atmosphere of a fully licensed, high-class Country Hotel with every modern convenience, yet home comforts, and free from the irksome restrictions of Nursing Home or Clinic.

TREATMENTS available include Foam and other Baths, Radiant Heat, Ultra-violet and Infra-red Ray, Diathermy, Electro-therapy, Massage, Remedial Exercises, etc. Special Dieting when required. All treatments are given by fully qualified Massage Staff, under the supervision of the Resident Physician.

Special attention given to visitors from overseas who are in England for treatment or observation by London Consultants.

LIFT to All Floors.

An Invitation is extended to Medical Practitioners to visit the Restorium. Reduced Terms to Doctors and their Families.

Write for Fully Illustrated Brochure and Terms to :—

THE RESIDENT PHYSICIAN,
SUNNYSIDE RESTORIUM, HASSOCKS, SUSSEX.
Telephone : Hassocks 103.

THE WARNEFORD, OXFORD.
HOSPITAL FOR MENTAL DISORDERS.

President : The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

BARNWOOD HOUSE, GLOUCESTER.
A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.

Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Medical Superintendent.

Telephone : No. 6207 Barnwood.

COURT HALL
KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.

Resident Physicians—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.

Telephones—Starcross 59 and Teignmouth 289.

SPRINGFIELD HOUSE

'Phone : BEDFORD 3417. **Near BEDFORD**

For Mental Cases with or without Certificates.

Ordinary Terms : Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).

For forms of admission &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees : from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.

Telephone : 80 Norwich. Telegrams : Small, 80 Norwich.

RUSSELLS
HEMEL HEMPSTEAD ROAD, WATFORD

Telephone : WATFORD 5917

This new convalescent home has just been opened for the care and treatment of mild and recoverable mental and nervous conditions in both sexes.

The house is situated high up, in 40 acres of beautiful grounds, 17 miles from London. One Lady Doctor is in residence, and another specialist in psychological medicine is in daily attendance. Fees from ten guineas a week, inclusive.

Apply : RESIDENT MEDICAL OFFICER.

Littleton Hall, Brentwood, Essex.
(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
Apply to Dr. HAYNES. Tel. : Brentwood 45.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—

Dr. ERNEST ROLLINS, Resident Physician.
Tel. : Amherst 1642.

St. George's Hospital, S.W.1.

Applications are invited for the appointment of PHYSICIAN to take charge of the Children's Department at the above Hospital. He must be a Graduate in Medicine and Surgery of a British University and a Fellow or Member of the Royal College of Physicians, London, and registered according to the Medical Act, 1858.

Applications, accompanied by testimonials of recent date, should be sent to the Secretary on or before 31st March, 1938.

JAMES M. CHURCHFIELD, Secretary.

2nd March, 1938.

Medical Research Council.

KATHLEEN SCHLESINGER RESEARCH FELLOWSHIP.

The Medical Research Council invite applications for the Kathleen Schlesinger Research Fellowship. This Fellowship is provided from a fund established by the late Mr. Eugen M. Schlesinger and Mrs. Schlesinger in memory of their daughter. It will be awarded by the Council, under the terms of the Trust Deed, to a suitably qualified person who will devote his or her whole time " to investigating the origin and nature of cysts of the brain, whether arising from tumours or not, or to such studies of other conditions of the central nervous system as the Council may from time to time permit." It will ordinarily be tenable at the National Hospital for Diseases of the Nervous System, Queen-square, London, and for a period of one year in the first instance. The stipend will be at the rate of £300 per annum, with up to £50 per annum for research expenses.

Applications, stating age, qualifications, and research experience, together with the names of two referees, should be lodged with the Secretary, Medical Research Council, 38, Old Queen-street, Westminster, S.W.1, before the 31st March, 1938.

Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st May, 1938. Salary at the rate of £75 per annum, with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before Friday, 1st April.

F. DUDLEY HOBBS, B.A., Secretary.

HOSPITAL FOR SICK CHILDREN, GT. ORMOND ST., LONDON, W.C.1

APPOINTMENTS TO BE MADE PREPARATORY TO THE OCCUPATION OF THE NEW HOSPITAL

A RESIDENT MEDICAL SUPERINTENDENT, who is to be the Senior Resident Officer, is required on the 1st May, 1938. Salary £200 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The duties will include the medical administration of the Hospital and medical supervision of the Nursing and Domestic Staffs.

Candidates must be unmarried, possess a legal qualification to practise and have held a responsible resident appointment at a General Hospital. Special experience in infectious diseases is desirable.

Two HOUSE PHYSICIANS and Two HOUSE SURGEONS are required on the 18th April, 1938.

These appointments are tenable for six months. Salaries at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An OUT-PATIENT AURAL REGISTRAR (part-time) is required on the 1st May, 1938. Salary £175 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

Candidates must possess a legal qualification to practise and have held a responsible resident appointment at a General Hospital.

Candidates for the above appointments must attend at the Hospital to appear before the Joint Committee at 4.45 P.M. on Wednesday, 6th April, 1938. Further particulars and forms of application, which must be completed and returned by noon on Monday, 4th April, 1938, are obtainable from the undersigned.

March, 1938. HERBERT F. RUTHERFORD, Secretary.

British Postgraduate Medical School.

Applications are invited for the post of FIRST ASSISTANT (non-resident) in the Department of Surgery at the above-named school. Candidates should hold a higher qualification in Surgery. The post will normally be whole time. Salary £250–£500 according to experience and qualifications.

Further particulars can be obtained from the Dean of the School, Ducane-road, Shepherd's Bush, W.12, to whom applications accompanied by two testimonials, and giving the names of two referees, should be addressed, to arrive not later than first post on Monday, 28th March, 1938.

St. George's Hospital, S.W.1.

Applications are invited for the appointment of ASSISTANT PHYSICIAN at the above Hospital. He must be a Graduate in Medicine and Surgery of a British University and a Fellow or Member of the Royal College of Physicians, London, and registered according to the Medical Act, 1858. In addition to his general medical duties, he will be in charge of a Clinic for Diseases of the Chest, in which branch of medicine he should have had special experience.

Applications, accompanied by testimonials of recent date, should be sent to the Secretary on or before 31st March, 1938.

JAMES M. CHURCHFIELD, Secretary.

2nd March, 1938.

Woolwich and District War Memorial

HOSPITAL, Shooters-hill, London, S.E.18.

GENERAL HOSPITAL. (112 Beds.)

(*a*) RESIDENT MEDICAL OFFICER.
(*b*) HOUSE SURGEON.

The Board of Management invites applications from suitably-qualified Male candidates for the following posts:—

(*a*) Resident Medical Officer. This appointment, which will be the second senior of five residents, will be for one year with effect from April 1st, 1938, and renewable for a further twelve months, if approved by the Board of Management. The salary will be £150 per annum, plus board, residence, and laundry, and the duties will include (i) Medical Registrar, and (ii) Resident Pathologist.

(*b*) House Surgeon for six months from May 1st, 1938. Remuneration at the rate of £100 per annum, plus board, residence, and laundry. In addition to his Surgical duties the House Surgeon will have the care of a Maternity unit of 8 beds.

Short-listed candidates selected for interview will be required to meet the Appointments Committee (at the Hospital) on Thursday, March 31st, 1938, at 4.45 P.M. The closing date for receipt of applications (to be submitted on the prescribed form obtainable from the Secretary) is Monday, March 28th, 1938.

R. S. G. HUTCHINGS, Secretary.

South-Eastern Hospital for Children,

Sydenham, S.E.26. (100 Beds.)

Recognised by the Examining Board for Post-graduate Study for the Diploma of Child Health.

Applications are invited for the post of RESIDENT MEDICAL OFFICER. The appointment will be for six months commencing April 1st. Honorarium £100 per annum, with board, residence, and laundry.

Applications by letter only, stating age, qualifications, and experience, with copies of three testimonials, should be received by the Hon. Medical Secretary at the Hospital by March 23rd.

London Hospital, E.1.

Applications are invited for the post of ANÆSTHETIST to the Department of Neurosurgery. Salary £250 per annum.

Applications, with copies of testimonials, should be sent by 2nd April to the House Governor, from whom further particulars may be obtained.

ARTHUR G. ELLIOTT, House Governor.

Evelina Hospital for Sick Children,

Southwark, S.E.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with full board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom particulars can be obtained, not later than first post on Tuesday, 22nd March.

7th March, 1938. W. H. SIDNELL, House Governor.

Westminster Hospital, S.W.1.

A vacancy has been declared this day in the office of ASSISTANT PHYSICIAN to this Hospital. Gentlemen desirous of becoming candidates must be Fellows or Members of the Royal College of Physicians, London.

Each candidate will be required to transit a certificate of his age, and to submit thirty copies of his application, with testimonials, to the undersigned not later than Friday, 1st April, 1938, and to attend the meeting of the House Committee at 4.15 P.M. on Tuesday, 5th April, 1938.

The appointment is an open one.

By order of the House Committee.

CHARLES M. POWER, Secretary.

8th March, 1938.

Central London Throat, Nose and Ear

HOSPITAL, Gray's Inn-road, W.C.1.

REGISTRAR AND CLINICAL TUTOR.

Applications are invited for the post of Registrar and Clinical Tutor who will be required to give the whole of his time to the office. The successful candidate should hold one of the higher qualifications in Surgery.

Salary at the rate of £300 per annum, payable jointly by the Hospital and Post-graduation School.

Further particulars of the appointment may be obtained from the undersigned, to whom applications, accompanied by copies of three recent testimonials, should be sent on or before the 8th April next.

JOHN H. YOUNG, Secretary-Superintendent.

St. Mary's Hospital, W.2.

MEDICAL REGISTRAR.

Applications are invited for the above post.

Candidates for the appointment must be registered Medical Practitioners, and Fellows, Members, or Licentiates of the Royal College of Physicians, or Graduates in Medicine of a University in the British Empire. The successful candidate will be expected to take up his duties on 4th May.

The salary is £200 per annum, with luncheon and tea provided.

Copies of the regulations for the Medical Registrar may be obtained on application at the Secretary's Office.

Applications, with copies of testimonials, should reach the undersigned on or before Monday, 28th March.

W. PARKES, House Governor.

FOUNDATION TO PROMOTE ENCEPHALITIS RESEARCH AT THE UNIVERSITY OF BERNE

The object of the foundation is to award prizes for work on the subject of encephalitis lethargica which signifies real progress in the diagnosis or treatment of the disease.

The smallest prize amounts to 1000 Swiss Francs.

Participants should send their application to the Dean of the Medical Faculty of Berne, which allocates the prize at the end of each year.

Royal College of Physicians of London.

Dr. J. G. GREENFIELD will deliver the OLIVER-SHARPEY LECTURES on MARCH 22ND and 24TH at 5 o'clock at the College, Pall Mall East, S.W.1.

Subject: "RECENT OBSERVATIONS ON THE MORPHOLOGY OF THE NEURON, AND ON THE CHANGES WHICH IT UNDERGOES IN DISEASE."

Any Member of the Medical Profession admitted on presentation of card.

By order of the President,
H. M. BARLOW, Secretary.

Wimbledon Hospital,

Copse Hill, S.W.20.
(General Hospital. 74 Beds.)

RESIDENT MEDICAL OFFICER (Male) required for a period of six months in the first place from 1st April, 1938, eligible for re-election. Salary at the rate of £150 per annum, with board, residence, and laundry.

Candidates must possess registered medical qualifications.

Applications, stating qualifications, and experience, together with copies of testimonials, should be sent to the Hon. Sec.

Queen Charlotte's Maternity Hospital,

Marylebone-road, N.W.—The Committee of Management invite applications for the appointment of SIXTH MEDICAL OFFICER for the ANTE-NATAL DEPARTMENT. Candidates must be Graduates in Medicine of a University of the British Empire, or (*a*) Fellows or Members of the Royal College of Physicians of London, or (*b*) Fellows of the Royal College of Surgeons of England.

Applications should be sent before the 12th April to the Secretary, from whom further particulars may be obtained.

University of London.—Applications

are invited for the SIR HENRY ROYCE RESEARCH FELLOWSHIP which is of the annual value of £500 tenable for three years in the first instance. Applicants must be graduates of the University of London and must be registered Medical Practitioners or possess qualifications which would enable them to undertake research in the subject of "The Common Cold: its nature, prevention, and cure" *or* "Influenza, its nature, prevention, and cure."

Applications must be made on a prescribed form by April 3rd, 1938. Application forms and further particulars should be obtained from the Academic Registrar, the Senate House, University of London, W.C.1.

March, 1938.

The Battersea General Hospital,

Battersea Park, S.W.11.

Applications are invited for the post of HONORARY RADIOLOGIST. Candidates must possess a Medical qualification and a recognised Diploma in Radiology and have had previous Hospital experience.

Applications, accompanied by two recent testimonials, should reach the Secretary not later than the 14th April, 1938.

St. Bartholomew's Hospital.

PART-TIME CHIEF ASSISTANT IN THE X RAY DIAGNOSTIC DEPARTMENT.

Applications are invited for the post of part-time Chief Assistant in the X Ray Diagnostic Department.

Candidates must be registered Medical Practitioners and possess a Diploma in Medical Radiology.

The officer appointed will be required to attend in the Department on four half-days a week.

Appointment will be made for a period to expire at the end of 1938, with eligibility for re-election.

Applications with testimonials (copies only) should be left with the undersigned not later than Monday, 28th March, 1938.

C. C. CARUS-WILSON, Acting Clerk to the Governors.
11th March, 1938.

Hospital for Epilepsy and Paralysis,

Maida Vale, W.

RESIDENT MEDICAL OFFICER required 1st May.
HOUSE PHYSICIAN required 1st May.

Applications are invited for these posts. The salaries are at the rate of £150 and £100 per annum respectively, and the appointments are for six months. Candidates for the post of Resident Medical Officer should state if they are willing to take that of House Physician, and applications, accompanied by copies of three recent testimonials, should reach me by March 31st.

The accommodation at the Hospital does not permit of women graduates holding these appointments.

H. W. BURLEIGH, Secretary and General Superintendent.

The Mount Vernon Hospital (for

CANCER), NORTHWOOD.—There is a vacancy for a HOUSE SURGEON. Salary £150 per annum, with board, lodging, &c. Applications to be addressed to the Secretary, 32, Fitzroy-square, W.1.

Borough of Barking.

ASSISTANT MEDICAL OFFICER (Male).

Applications are invited before the 4th April, 1938, from qualified Medical Practitioners with experience in public health work and a registerable qualification in Public Health for the designated appointment of Assistant Medical Officer of Health and Assistant School Medical Officer.

Salary scale £600–£25–£700.

Particulars of duties and application form may be obtained from the undersigned.

S. A. JEWERS, Town Clerk.
Town Hall, Barking, Essex, 12th March, 1938.

King George Hospital,

ILFORD (Near London). 207 Beds.

HOUSE SURGEON (Male) required for six months from April 19th. Salary at the rate of £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than April 4th.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.

HONORARY CLINICAL ASSISTANTS.

Applications are invited for the following appointments as Honorary Clinical Assistants to the Out-patients' Department:—

Medical (6). 3 Tuesday 2 P.M. 3 Friday 2 P.M.
Obstetric (1). Monday 9 A.M., and Wednesday 2 P.M.
Gynæcological (1). Monday 9 A.M., and Wednesday 2 P.M.
Skin (2). Thursday 9 A.M.
Ear, Nose, and Throat (1) Friday 9 A.M.
Ophthalmic (2). Monday 2 P.M.
X Ray and Electro-therapeutic (1). Thursday 2 P.M.
Dental (1). Wednesday 9 A.M.

Applications, giving qualifications, age, &c., together with copies of not more than three recent testimonials, should be sent to the Secretary-Manager, The Princess Beatrice Hospital, 194, Finborough-road, S.W.10, not later than 9 A.M., March 31st, 1938.

Elizabeth Garrett Anderson Hospital,

Euston-road, N.W.1.

OPHTHALMIC DEPARTMENT—OUT-PATIENTS.

Applications are invited from fully qualified medical Women for the post of CLINICAL ASSISTANT. Thursday evening clinic; honorarium £50 per annum.

Further particulars of the post may be obtained from the undersigned, to whom applications, with copies of three testimonials, should be sent not later than 31st March, 1938.

JEAN R. MURRAY, Secretary.

County Council of Middlesex.

TUBERCULOSIS MEDICAL OFFICER.

Applications are invited for the above appointment on the pensionable staff. Salary £750 per annum, rising by annual increments of £50 to £1000, together with out-of-pocket travelling expenses.

Candidates must be registered Medical Practitioners who have held resident appointment in a general hospital for at least six months, and have had special practical experience in the diagnosis and treatment of Tuberculosis in sanatoria or otherwise.

The officer appointed will be required to devote his whole time to his official duties, to work under the administrative control of the County Medical Officer of Health, and to reside in such district as may be required.

The duties will include the charge of Tuberculosis Dispensaries, the general arrangement for the treatment of tuberculosis patients otherwise than in sanatoria, and such other duties as the Council may direct.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council and is terminable by three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 26th March. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Tuberculosis Officer." Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1, 25th February, 1938.

Charing Cross Hospital.

CANCER AND RADIUM REGISTRAR.

The Council invite applications from candidates who must be registered Medical Practitioners (Male) for the post of Cancer and Radium Registrar. Honorarium £100 per annum.

Applications, together with copies of three testimonials, must be submitted not later than first post on Monday, 28th March, 1938. GEORGE J. JONES, Secretary.

Charing Cross Hospital, Strand, W.C.2.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Grade I).—Salary £350–£25–£425, with board, lodging, and washing.

(a) BETHNAL GREEN HOSPITAL, Cambridge-road, E.2.—Duties mainly surgical.

(b) ST. PETER'S HOSPITAL, Fulbourne-street, Whitechapel, E.1. Medical and part surgical duties.

ASSISTANT MEDICAL OFFICERS (Grade II.).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(c) FULHAM HOSPITAL, St. Dunstan's-road, Hammersmith, W.6. Duties mainly medical, children, and anæsthetics.

(d) HIGHGATE HOSPITAL, Dartmouth Park Hill, N. 19. Duties mainly medical.

(e) NORWOOD HOSPITAL FOR CHILDREN, Elder-road, West Norwood, S.E.27. Duties mainly medical. Children's experience desirable. Only women candidates eligible.

(f) PRINCESS MARY'S CONVALESCENT HOME, Cliftonville, Margate.—General duties in a female convalescent hospital.

* (g) QUEEN MARY'S HOSPITAL, Sidcup, Kent.—General duties in a male convalescent hospital.

(h) ST. CHARLES' HOSPITAL, St. Charles'-square, Ladbroke Grove, W.10.—Duties mainly medical. Children's experience desirable.

(j) ST. GILES' HOSPITAL, St. Giles'-road, Camberwell, S.E.5.—Duties in children's ward, antenatal clinic, and anæsthetics.

(k) ST. PETER'S HOSPITAL, Fulbourne-street, Whitechapel, E.1.—Duties mainly medical.

* No accommodation for a woman.

Application forms obtainable (stamped, addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 4th April.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned position. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

SENIOR ASSISTANT MEDICAL OFFICER (GRADE II).—Salary £500–£25–£600, with board, lodging, and washing.

GROVE PARK HOSPITAL, Lee, S.E.12.—Experience in the treatment of pulmonary tuberculosis essential, administrative experience desirable.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, County Hall, S.E.1, returnable by 4th April, Staff Division, 2B.

Canvassing disqualifies.

London County Council.

CONSULTANT AND SPECIALIST SERVICES.

Applications invited for appointment to undermentioned positions in hospitals service :—

(1) FULL TIME RADIOLOGIST (one position) at undermentioned group of hospitals :—
Fulham Hospital, W.6.
St. Luke's Hospital, S.W.3.
St. Mary Abbots Hospital, W.8.
St. Stephen's Hospital, S.W.10.
Salary.—£900–£50–£1100. Hours of duty.—35 a week.

(2) PART-TIME OBSTETRICIAN AND GYNÆCOLOGIST (one position) for FULHAM and St. MARY ABBOTS HOSPITALS. Salary.—£800. Officer responsible, subject to the general administrative supervision and control of the medical superintendents, for whole of Obstetric and Gynæcological work at these hospitals, will be required to live within a reasonable distance of hospitals, to visit them daily and as required.

(3) PART-TIME ANÆSTHETISTS for duty at Council's general hospitals for sessions varying from one to six a week. Salary.—£125 for one routine session a week and £75 a year for each session a week in addition. Additional remuneration at rate of £2 12s. 6d. a visit for emergency visits made in excess of number of routine sessions. Candidates will be invited to apply for appointment to a panel for attendance as required at outlying Tuberculosis hospitals. Rates of remuneration.— £4 4s. for a visit of less than 3 hours, £5 5s. for a visit of more than 3 but less than 4 hours, £6 6s. for a visit of 4 hours or more

Application forms obtainable (stamped, addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 6), County Hall, Westminster Bridge, S.E.1, returnable by 28th March. Women eligible. Canvassing disqualifies.

London Hospital, E.1.

There is a vacancy for the post of CLINICAL ASSISTANT in the X Ray Department. Candidates must be fully qualified medically. Experience in Radiology is essential. The honorarium of the post is £100 per annum.

Applications, with testimonials, should be sent to the House Governor and should arrive not later than Saturday, April 9th.

ARTHUR G. ELLIOTT, House Governor.

London County Council.

Applications invited for two full-time permanent positions of ASSISTANT MEDICAL OFFICER, chiefly in connexion with Council's school medical work. Special experience of the medical examination of children is essential. Salary £600 by £25 to £750.

Forms of application (stamped addressed foolscap envelope necessary) obtainable from Medical Officer of Health (S.D.5), County Hall, Westminster Bridge, S.E.1, returnable by 31st March. Canvassing disqualifies.

London County Council.

MEDICAL STAFF (Men or Women) required at the MAUDSLEY HOSPITAL, Denmark Hill, S.E. 5 (for treatment of Neuroses and Curable Mental Disorders). Candidates must be under forty years of age and be registered to practise both in Medicine and Surgery in England.

(1) SECOND ASSISTANT MEDICAL OFFICER. Salary £625 rising to £700 a year. Charges made for board, lodging, &c. (at present £2 9s. weekly) if required to be resident. Marriage terminates contract of service in case of women. Candidates must have held residential position in general hospital for six months or have had comparable general experience and must hold diploma or degree in psychological medicine.

(2) PART-TIME MEDICAL OFFICERS. Salary £300 a year of 48 weeks, for five sessions of three hours each week. Psychotherapy in Out-patients' Department. Married Women eligible.

Separate application forms for each appointment obtainable by sending stamped addressed foolscap envelope to Chief Officer (B/A), Mental Hospitals Department, Shell-Mex House, Strand, W.C.2, and returnable by 1st April. Canvassing disqualifies.

Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the post of OUT-PATIENT OFFICER, to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officer will be appointed for a period of one year and will be eligible for re-appointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 28th March, 1938.

A. J. M. TARRANT, Secretary.

The National Temperance Hospital,

Hampstead-road, London, N.W.1.

Applications are invited for the following post :—

CASUALTY OFFICER (Male). Salary £120 per annum, board, residence, and laundry allowance.

The appointment is for a period of six months as from April 1st. Preference will be given to those who have held resident posts. Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Monday, March 28th, addressed to the Secretary.

Royal Free Hospital,

Gray's Inn-road, W.C.1.

Applications are invited from duly qualified and registered Medical Men or Women for the following post :—

RESIDENT CASUALTY OFFICER.

Duties to commence 1st May, 1938, for five months. Salary £150 per annum. Candidates must have held previous resident Hospital appointments.

Application form may be had from the undersigned and should be duly filled in and returned on or before the 9th April, 1938.

RICHARD T. BARTLEY, Secretary.

The Tavistock Clinic.

(THE INSTITUTE OF MEDICAL PSYCHOLOGY.)
(FOR THE TREATMENT OF FUNCTIONAL NERVOUS DISORDERS.)

Applications are invited for the post of DIAGNOSTIC PHYSICIAN (Male). Candidates should be Fellows or Members of the Royal College of Physicians, London, and should have some special interest in the psychoneuroses. The Physician appointed will investigate the physical condition of patients, but will not be expected to carry out treatment. The time required to be given to the work is two sessions a week of about two hours each. An honorarium of £50 per annum is offered.

Applications should be delivered before Friday, April 1st, 1938, to the undersigned, from whom further particulars of the appointment may be obtained.

V. J. HOWARD, General Secretary.

Malet-place, W.C.1.

The South London Hospital for Women,

Clapham Common, S.W.4.
(140 Beds.)
A General Hospital for Women and Children.

Applications are invited from Medical Women for the undermentioned appointment :—
HOUSE PHYSICIAN for a period of six months from April 1st, 1938.
Salary at the rate of £100 per annum, with board, residence, and laundry. Candidates are requested to call on members of the Hon. Medical Staff before Saturday, March 26th, by which date applications and copies of testimonials must reach the Secretary at the Hospital.

Paddington Green Children's Hospital.

(Incorporated). London, W.2.

HOUSE PHYSICIAN.
HOUSE SURGEON.

These appointments will become vacant on May 1st, 1938. Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, April 8th, 1938. Salary of each at the rate of £150 per annum, with board and residence.
Candidates who have held a responsible Resident Hospital appointment are preferred. The appointments are for a period of six months. JAMES A. HAMLIN, Secretary.

The London Chest Hospital,

Victoria Park, E.2.
(Bus, Tram, and Rail, Cambridge Heath, L. & N.E. Railway)

A vacancy for a HOUSE PHYSICIAN (Male) will occur on May 1st. Six months' appointment. Salary at the rate of £100 per annum. Board, residence, and laundry provided.
Applications, with copies of testimonials (three), should be sent to the Secretary on or before Saturday, April 2nd.

Doncaster Royal Infirmary and DISPENSARY

(185 Beds.)

HONORARY ORTHOPÆDIC SURGEON.

The Board of Management propose to establish an Orthopædic Department at the Doncaster Royal Infirmary.
Applications are invited from gentlemen with Special Orthopædic experience to take charge of the Department.
An Honorarium of £250 per annum and upwards will be paid according to the amount of time the Surgeon proposes to devote to the work.
The successful candidate will be restricted to the practice of Orthopædic Surgery and must hold a higher Surgical or Orthopædic qualification.
The appointment is subject to confirmation by the annual meeting of Governors.
Canvassing, either directly or indirectly, will disqualify.
Sixty copies of the application, together with copies of three recent testimonials, must be furnished and should be forwarded to the undersigned not later than the 4th April, 1938.
R. LANCASTER, Secretary-Superintendent.

Manchester Royal Eye Hospital.

HOUSE SURGEON required. Salary £120 per annum, with residence, board, &c.
Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management.
H. R. NORTH, General Superintendent and Secretary.

Manchester Royal Infirmary.

MEDICAL OFFICER TO OUT-PATIENTS.

The Board of Management invite applications from registered Medical Practitioners for the above appointment.
The duties are to assist in the treatment of Medical Out-patients on three mornings a week from 9 o'clock. The appointment is for one year. Salary £105 per annum.
Candidates must state age and send fifteen copies of their application and testimonials to the undersigned on or before 9 A.M. on Thursday, 31st March, 1938.
By order.
A. L. M. YOUNG, Assistant Secretary.
14th March, 1938.

Hull Royal Infirmary.

Applications are invited for the post of SECOND HOUSE PHYSICIAN (Male) vacant April 30th.
Salary at the rate of £150 per annum, plus board, residence, and laundry.
The post is recognised by the University of London for the M.D. Branch 1 (Medicine) Examination.
The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.
Applications, giving age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned. R. J. CARLESS, House Governor.
14th March, 1938.

County Borough of Wolverhampton.

NEW CROSS HOSPITAL.
(350 Beds.)

ASSISTANT MEDICAL OFFICER (RESIDENT).

Applications are invited for appointment as Assistant Medical Officer at the above Hospital, which contains Medical, Surgical, Maternity, Children's and Isolation Departments, and is modernly equipped.
Candidates must be unmarried.
Experience in anæsthetics, a knowledge of Clinical Pathology and previous Hospital experience will be deemed additional assets.
Salary will be at the rate of £200 per annum, with apartments, board, attendance, &c.
The appointment will be limited to a term not exceeding one year.
Further information as to the duties, &c., may be obtained from the Medical Officer of the Hospital.
Applications, stating age, qualifications, and nationality, together with copies of recent testimonials, should be addressed to : A. G. ALDRIDGE, Public Assistance Officer.
Stafford-street, Wolverhampton.

Lancashire County Council,

PUBLIC ASSISTANCE COMMITTEE.

LAKE HOSPITAL AND DARNTON HOUSE INSTITUTION
ASHTON-UNDER-LYNE, Near MANCHESTER.

(1) APPOINTMENT OF SENIOR RESIDENT MEDICAL OFFICER.
Salary £250 per annum, together with the usual residential emoluments.
The person appointed will be required to take up duty on the 1st June, 1938.
(2) APPOINTMENT OF JUNIOR RESIDENT MEDICAL OFFICER.
Salary £225 per annum, together with the usual residential emoluments.
The person appointed will be required to take up duty on the 2nd May, 1938.

Applications are invited from registered Medical Practitioners for the above appointments at the Lake Hospital and Darnton House Institution, Ashton-under-Lyne, comprising 300 and 525 beds respectively.
The Hospital is recognised as a complete Training School for Nurses.
Candidates must be unmarried. Preference will be given to candidates having previous hospital experience, especially in midwifery, and in the administration of anæsthetics.
The appointments will, in the first instance, be for a period of six months, the successful candidates being eligible for reappointment for a further period of six months at the end of that period.
Forms of application may be obtained from the County Medical Officer of Health, Public Assistance (Hospital and Medical) Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded not later than Friday, 1st April, 1938. GEORGE ETHERTON, Clerk of the County Council.
County Offices, Preston, 14th March, 1938.

County Borough of Huddersfield.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from registered Medical Practitioners (Ladies) who have had special experience in ante-natal work and in the care of infants. Salary £500–£25–£700, initial salary according to experience.
The post will be designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.
Applications, stating age, full particulars regarding training, qualifications, and appointments held since qualification, should be forwarded to the Medical Officer of Health, Public Health Department, Huddersfield, along with copies of two recent testimonials, so as to reach him not later than Friday, April 1st 1938. SAMUEL PROCTER, Town Clerk.
Town Hall, Huddersfield, March, 1938.

Kent and Sussex Hospital,

TUNBRIDGE WELLS. (210 Beds.)

Applications are invited for the appointment of SENIOR HOUSE SURGEON (Male). Salary £150 per annum. Board, residence, and laundry in the Hospital.
The Hospital includes the following Departments : Medical, Surgical, Ear, Nose, and Throat, Ophthalmic, Orthopædic, Gynæcological, X-ray and Electro-therapeutic, Massage, Pathological, Venereal Diseases, &c.
Successful candidate will be required to take up duty on or about Saturday, 9th April, 1938.
Applications, stating qualifications, together with certificate of registration, and copies of not more than three recent testimonials, should be sent to the undersigned by March 31st.
TOM B. HARRISON, Superintendent-Secretary.
14th March, 1938.

Alexandra Hospital for Children with HIP DISEASE, SWANLEY, KENT.

(100 Beds for Children with Bone and Joint Tuberculosis and other Orthopædic Conditions.)

Applications are invited for the post of SECOND RESIDENT MEDICAL OFFICER.

Candidates must be unmarried, and fully qualified, and should preferably hold the Diploma of F.R.C.S. (Eng.). The successful candidate will be required to take up duty on May 1st.

The appointment is for six months, with eligibility for re-election. Commencing salary £250 to £300 yearly according to qualifications and experience. Board and lodging will be provided.

Applications, stating age and giving full particulars of qualifications and previous Surgical experience, with copies of two testimonials, should be sent not later than the 21st March to the undersigned at the London Offices, 107, Southampton Row, London, W.C.1, from whom further particulars of the duties and conditions of the appointment can be obtained.

STANLEY SMITH, Secretary.

11th March, 1938.

County Borough of Grimsby.

CORPORATION HOSPITAL AND SANATORIUM.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male) at the above Hospital, which has 98 Beds for Pulmonary and Surgical Tuberculosis and 72 for Infectious Diseases.

Candidates must be unmarried and have previous resident hospital experience. Salary £350 per annum, rising by annual increments of £25 to £450 per annum, plus board, residence, and laundry. The appointment is to be for one year in the first instance. The post is a designated one under the Local Government and Other Officers' Superannuation Act, 1922.

Forms of application may be obtained from the Medical Officer of Health, 184, Victoria-street, Grimsby, and should be returned to me endorsed "Resident Medical Officer" not later than Thursday, 31st March, 1938.

JOHN W. JACKSON, Town Clerk.

Municipal Buildings, 170, Victoria-street, Grimsby.

Surrey County Council.

BOTLEYS PARK COLONY (Certified Institution for Mental Defectives), Near CHERTSEY, SURREY.

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited from registered Medical Practitioners (Male) for the whole-time appointment of Resident Deputy Medical Superintendent at the above-mentioned Certified Institution. The first section of the Colony, which is now in course of erection, will provide accommodation for 1200 patients and the necessary resident staff, and will eventually provide 1500 patient beds. In addition, there is accommodation for another 300 patients in an immediately adjacent Institution, which is under the same administration as the main colony.

Commencing salary £720, rising by annual increments of £25 to a maximum of £820 per annum, with emoluments valued for superannuation purposes at £30 per annum.

Applicants, who must be in possession of the Diploma of Psychological Medicine, should have had practical experience in a large Mental Institution, preferably for Mental Defectives. Age not to exceed 40 years.

The appointment will be subject to the provisions of the Asylums and Certified Institutions (Officers Pensions) Act, 1915, and to the Council's Staffing Regulations. The person appointed will be required to undergo a medical examination, and to commence his duties on 1st June, 1938.

Applications, stating age and whether married or single, accompanied by copies of three recent testimonials, must reach the undersigned not later than Monday, 4th April, 1938. The envelope should be marked "Botleys Park Deputy Medical Superintendent."

DUDLEY AUKLAND, Clerk of the Council.

Mental Hospitals Department, County Hall, Kingston-upon-Thames, 8th March, 1938.

Royal Halifax Infirmary.

Hospital recognised by the Royal College of Surgeons (England).

Applications are invited for the following appointments:—

RESIDENT SURGICAL OFFICER	Salary	£250 per annum
FIRST HOUSE SURGEON ..	,,	£200 ,, ,,
SECOND HOUSE SURGEON ..	,,	£175 ,, ,,
THIRD HOUSE SURGEON ..	,,	£150 ,, ,,

with residence, board, and laundry. The salaries include all services required in connexion with the Paying Patients' Block.

The appointment of Resident Surgical Officer will be for one year commencing 1st May, 1938. The other appointments will be for six months from 1st May, 1938.

The Hospital contains Maternity, and Paying Patients' Blocks. Also a Pathological Department, a large Eye, Ear, Nose, and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned to whom applications, stating age and nationality, together with testimonials, should be sent on or before the 21st March, 1938.

A. MIDGLEY, Secretary.

7th March, 1938.

Brighton County Borough Mental HOSPITAL, HAYWARDS HEATH, SUSSEX.

APPOINTMENT OF THIRD ASSISTANT MEDICAL OFFICER.

The Visiting Committee are prepared to receive applications from Medical Men for the above post. No married quarters are provided. The salary will be £350 per annum, rising by annual increments of £25 to £450 per annum, with a further £50 per annum if in possession of the D.P.M. The age of the candidate should not exceed thirty-five. Furnished apartments will be provided, with board and laundry, valued for superannuation purposes at £100 per annum.

Candidates must be registered under the Medical Act, and preference will be given to those who have held the post of House Surgeon or House Physician at a General Hospital. The appointment will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, on a form which will be supplied, with copies of three recent testimonials, to be sent to the Medical Superintendent and to be received by the 24th March, 1938.

County of Dorset.

APPOINTMENT OF COUNTY PATHOLOGIST.

The Dorset County Council invite applications from Registered Medical Practitioners for the appointment of a County Pathologist, at a commencing salary of £750 per annum, rising to £950 by biennial increments of £50.

Applicants must have specialised in Pathology and Biochemistry, and have had considerable experience in a pathological Department.

The Officer appointed will be required to devote his whole time to the duties of his office, and will be in charge of the work of the County Laboratory, Dorchester, acting under the administrative control of the County Medical Officer.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass the necessary medical examination.

Applications, on a prescribed form, which may be obtained from me on receipt of a stamped addressed foolscap envelope, must be forwarded so as to be received not later than Monday, 4th April, 1938.

Canvassing, either directly or indirectly, will be a disqualification.

C. P. BRUTTON, Clerk of the County Council.

County Offices, Dorchester, 4th March, 1938.

Worcester County and City Mental HOSPITAL, POWICK, Near WORCESTER.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER. Applicants must be Male, single, under thirty-five years of age, and duly qualified in medicine and surgery. Commencing salary £350, rising by annual increments of £25 to a maximum salary of £450 per annum, together with furnished apartments, board, laundry, and attendance. A further £50 per annum will be paid if the selected candidate holds or obtains a Diploma in Psychological Medicine. Experience in Anæsthetics will be a recommendation. The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, stating age, and full particulars of qualifications and experience, accompanied by copies of three recent testimonials, to be forwarded to the Medical Superintendent not later than Saturday, 26th March, 1938.

Royal Victoria Infirmary, NEWCASTLE-UPON-TYNE.

(785 Beds.)

WHOLE-TIME JUNIOR GYNÆCOLOGICAL AND OBSTETRICAL REGISTRAR. (Open Appointment.)

Applications are invited for the above post.

Candidates must be registered Medical Practitioners duly qualified in Medicine and in Surgery, and must have held the post of resident in a recognised Maternity Hospital for six months and a further six months in a Hospital devoted to Women's Diseases, or in the Gynæcological Department of a recognised Hospital.

The appointment is for one year and is renewable annually for a period not exceeding three years.

The salary is at the rate of £300 per annum.

Full information can be obtained by application to the undersigned, by whom applications, stating age, qualifications, and experience, and accompanied by not more than three recent testimonials, must be received not later than Thursday, 31st March, 1938.

S. DUNSTAN, House Governor and Secretary.

7th March, 1938.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT ANÆSTHETIST AND EMERGENCY OFFICER (Male). The appointment will be for three months from April 1st, 1938. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates, who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four recent testimonials, to the undersigned on or before Wednesday, March 23rd, 1938.

J. A. BEARDSALL, Secretary-Superintendent.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in July, 1938.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list, and periods of unemployed or half pay are very rare. The assistance of private income is not necessary for the purpose of supplementing official pay and allowances.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1938.

Wingfield-Morris Orthopædic Hospital,
HEADINGTON, OXFORD.

HOUSE SURGEON (Male) required for six months from 1st May. Salary at the rate of £100 per annum, with board, lodging, and laundry.

Applications (with testimonials) to be sent on or before April 1st to Professor GIRDLESTONE.

Rotherham Hospital.

Wanted: HOUSE PHYSICIAN (Male), qualified. Salary £180, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Royal Sussex County Hospital,
BRIGHTON. (Beds 272. Six R.M.O.'s.)

CASUALTY HOUSE SURGEON (Male) required 1st May, 1938.

Salary £120 per annum, with board residence, and laundry.

Candidates must hold Medical and Surgical qualifications of the British Empire, and be duly registered under the Medical Acts.

They must be unmarried, and when elected under thirty years of age.

Applications, with copies of recent testimonials, to be forwarded to the undersigned.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

City Mental Hospital, Humberstone,
LEICESTER.

ASSISTANT MEDICAL OFFICER (Male).

Residential General Hospital experience is desirable. Salary £350, rising by £50 per annum to £450 per annum, together with board, lodging, washing, and attendance, valued for purposes of superannuation at £150 per annum. If the applicant be married he will be permitted to live out, and the salary will commence at £500, rising by £50 per annum to £600. An additional £50 per annum will be paid for possession of a D.P.M.

The appointment is subject to the provisions of the Asylum Officers' Superannuation Act, 1909.

There is a good laboratory and two active Psychiatric Clinics, one attached to the Leicester Royal Infirmary.

Duties will include attendance at a mental deficiency colony.

Applications, giving particulars of experience, &c., together with names of three references—one of which should be non-professional—and marked "A.M.O.," to be sent to the Medical Superintendent before 31st March.

Borough of Accrington.

DEPUTY MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications for the above post are invited from registered Medical Practitioners of either sex. Candidates should have had sound post-graduate experience in general clinical work, including the diseases of children, and preference will be given to a person possessing a Diploma in Public Health or an equivalent registrable qualification.

The officer appointed will be required to carry out duties in all branches of the Public Health and School Medical Services, including both clinical and administrative work. He, or she, will work under the direction of the Medical Officer of Health and will act as that officer's Deputy.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum. The post will be designated for superannuation purposes.

Forms of application and particulars of the appointment and its terms and conditions may be obtained from the undersigned, to whom the completed form must be returned not later than Monday, the 28th March, 1938.

W. H. WARHURST, Town Clerk.

Town Hall, Accrington, 9th March, 1938.

Bedford County Hospital.

Wanted, FIRST HOUSE SURGEON, to take over his duties on April 8th for a term of not less than six months. He must be fully qualified, male, unmarried. Salary £155 per annum, together with board, lodging, and laundry.

Applications, stating age, qualifications, and nationality, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

Birmingham and Midland Eye
HOSPITAL.
(114 Beds.)

Applications are invited from duly qualified Medical Practitioners for the post of HOUSE SURGEON at the above Hospital.

Salary £130 per annum (rising to £150 at the end of six months' satisfactory service), and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

Applications, with testimonials and evidence of registration, must be received not later than Thursday, March 24th, 1938.

J. W. PEARCE, General Superintendent.

Church-street, Birmingham, 3.

City of Lincoln.

RESIDENT MEDICAL OFFICER.

Applications are invited for the appointment of Resident Medical Officer, Male, unmarried, at the CITY HOSPITAL AND SANATORIUM, for a period of 12 months, from registered Medical Practitioners.

Salary £300 per annum, with board, lodging, and laundry.

Applications must be made on the prescribed forms not later than 24th March, 1938.

Forms of application and further particulars of the appointment may be obtained from the undersigned.

M. L. BERY, Medical Officer of Health, City Health Department, Beaumont Fee, Lincoln.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the following posts —

(a) HOUSE PHYSICIAN, vacant on May 1st.

(b) HOUSE SURGEON to the Special Departments, with care of beds for Ear, Nose, and Throat, Eye, Gynæcological and Maternity cases, vacant on May 1st.

Each appointment is tenable for a period of six months, but is terminable at an earlier date by one month's written notice on either side.

The salary of each officer will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, March 23rd, 1938.

J. A. BEARDSALL, Secretary-Superintendent.

County Council of Durham.

APPOINTMENT OF TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the post of Temporary Assistant Medical Officer of Health (Male) at a commencing salary of £600 per annum. The appointment is subject to one month's notice on either side and will terminate at the end of two years. Travelling and subsistence allowances will be paid in accordance with the Council's scale.

Applicants must be registered Medical Practitioners under the age of 55 years and should if possible possess a qualification in Public Health and have held a post in an Infectious Diseases Hospital. Experience in the examination and certification of mentally defective children and adults will be an additional recommendation.

The officer appointed will be required to devote the whole of his time to the duties of the office and will not be allowed to engage in private practice. He will also be required to undertake such other Public Health duties as may be allotted to him by the County Medical Officer of Health under whose direction he will work.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials, should be forwarded to the County Medical Officer of Health, Shire Hall, Durham, not later than first post on Monday, 28th March, 1938.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 5th March, 1938.

County Council of Durham.

ASSISTANT WELFARE MEDICAL OFFICER.

The County Health Committee invite applications for an ASSISTANT WELFARE MEDICAL OFFICER (Woman) at a commencing salary of £500 per annum, rising by annual increments of £25 to £700 per annum. Travelling allowance will be paid by the County Council in accordance with a scale to be approved from time to time.

The appointment will be held subject to three calendar months' notice on either side, and to the following conditions :—

(1) The Officer appointed must be a registered Medical Practitioner between the ages of 25 and 55 years, must devote the whole of her time to the duties of the office, and must not engage in private practice.

(2) She should either have had a previous appointment as Medical Officer of an Ante-natal clinic, with the approval of the Minister of Health, or have had at least three years' experience in the practice of her profession and special experience of Practical Midwifery and Ante-natal work. The holding of a diploma in Public Health will be deemed an additional qualification for the post.

(3) She will be subject to the directions of the County Medical Officer of Health.

(4) She will be required to reside in Durham City, or such other place as required by the Council.

(5) She must be prepared, if called upon, to act as locum tenens to other members of the medical staff of the County Medical Officer of Health.

(6) The appointment will terminate on marriage.

(7) The candidate appointed will be required to pass the County Council's medical examination, and will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Applications, endorsed "Assistant Welfare Medical Officer," with copies of not more than three recent testimonials, must be addressed to the County Medical Officer of Health, Shire Hall, Durham, and must be received by him not later than Monday, 28th March, 1938.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 5th March, 1938.

Assistant Medical Officer required.

Medical Woman, with Mental Hospital experience. Salary £300 per annum, with emoluments. Apply, Medical Superintendent, THE LAWN, LINCOLN.

County Borough of Preston.

SHAROE GREEN HOSPITAL. (250 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER.
(Female.)

Applications are invited from fully qualified and registered Practitioners for the above appointment. Salary at the rate of £100 per annum, with full board and residence.

The appointment will be for a period of six months and can be renewed for a period not exceeding six months.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should reach the Medical Superintendent not later than first post on the 26th March, 1938.

County Borough of Blackburn.

LADY ASSISTANT MEDICAL OFFICER OF HEALTH and ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from duly registered Women Practitioners for the appointment of Assistant Medical Officer of Health and Assistant School Medical Officer to act under the direction and supervision of the Medical Officer of Health, who is also School Medical Officer.

The maximum salary will be £700 per annum. The commencing salary will not be less than £600 per annum and will be fixed according to the qualifications and experience of the successful applicant, and will rise by annual increments of £25 to the maximum of £700.

The person appointed must have had at least three years' post-graduate experience in the practice of her profession and special experience of Midwifery and Ante-natal work. Special post-graduate experience in the treatment of Venereal Diseases and of Diseases of Children, and the possession of a registrable degree or diploma in Public Health, will be deemed additional qualifications.

Applications to be made on forms to be obtained from the Medical Officer of Health, Victoria-street, Blackburn, and returned to him not later than Wednesday, the 23rd March, 1938, endorsed "Assistant Medical Officer of Health."

Canvassing directly or indirectly will be a disqualification.

CHAS. S. ROBINSON, Town Clerk.

Town Hall, Blackburn, 7th March, 1938.

Administrative County of Essex.

APPOINTMENT OF ASSISTANT SPECIALIST OPHTHALMIC SURGEON.

The County Council of the Administrative County of Essex invite applications for the above appointment from registered Medical Practitioners, not over forty-five years of age, with special experience in all branches of Ophthalmology and preferably holding the Diploma in Ophthalmic medicine, to act under the County Medical Officer of Health.

The salary will be at the rate of £700 per annum, and will rise, subject to satisfactory service, by annual increments of £25 to £800 per annum.

The person appointed will, at the discretion of the Council, either be provided with a car or will be paid a travelling allowance in accordance with the County Scale for the time being in force.

The person appointed will be required to devote his whole time to the service of the Council, and to perform such duties and to furnish such advice and assistance appertaining to his office, as may be required, and to reside in such district of the County as the Council may decide. The appointment will be held by the successful candidate during the pleasure of the Council, and will be determinable by the Officer by three months' notice in writing.

The person appointed will be required to pass a medical examination and to contribute 5 per cent. of his salary to the fund established by the County Council under the Local Government and Other Officers' Superannuation Act, 1922.

The appointment will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications on the prescribed form, obtainable from the undersigned, and accompanied by copies of not more than three testimonials, which will not be returned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Friday, the 25th day of March, 1938.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 7th March, 1938.

ROYAL NAVAL DENTAL SERVICE

Applications are invited for appointment to Commissions as DENTAL OFFICERS in the Royal Navy.

Candidates must be British subjects below the age of twenty-eight years, and preferably unmarried. They must hold the degree or diploma of a British University or College of Surgeons and be registered under the Dentists Act or Medical Acts, and will be required to attend at the Admiralty for interview and physical examination.

Copies of the regulations for entry, rates of pay and allowances, and forms of application may be obtained from the MEDICAL DIRECTOR-GENERAL OF THE NAVY, ADMIRALTY, S.W.1, and from the Deans of Dental Schools.

City of Birmingham.

SELLY OAK HOSPITAL. (520 Beds.)

RESIDENT PHYSICIAN.

Applications are invited for the above whole-time appointment from fully qualified registered Medical Practitioners who have had good medical experience and who should hold the degree of Doctor of Medicine of one of the Universities of the United Kingdom or who should be members of the Royal College of Physicians of London.

Furnished quarters, rations, laundry, and attendance will be provided, or alternatively a cash allowance will be paid if the officer appointed should be non-resident.

Salary will be £650, rising by annual increments of £50 to a maximum of £900 per annum, together with the emoluments stated above.

The appointment will be dependent on the candidate passing a medical examination and be subject to the Birmingham Corporation's Superannuation Scheme, and the Birmingham Municipal Officers' Widows' and Orphans' Pensions Scheme (if applicable). The appointment will be terminable by one month's notice on either side.

Further particulars of the appointment may be obtained from the Medical Superintendent of the Hospital.

Applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, and endorsed "Physician," should be sent to the Medical Superintendent not later than Wednesday, 23rd March, 1938.

F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham.

Prince of Wales's Hospital,

DEVONPORT

(Formerly the Royal Albert Hospital, Devonport.)

(64 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Duties to commence 1st April, 1938. Appointment is tenable for six months and is subject to renewal, or promotion to the senior position when this post becomes vacant. Applicants must be registered under the Medical Acts.

Applications, stating age and qualifications, with copies of three recent testimonials, to reach the undersigned not later than 24th March.

ARTHUR R. CASH, General Supt. and Secretary, Prince of Wales's Hospital, Greenbank-road, Plymouth.

West Kent General Hospital

(Incorporated),

MAIDSTONE. (135 Beds.)

Applications are invited for the post of HOUSE SURGEON, who must be a Male of British nationality, and unmarried.

Salary at the rate of £175 per annum, with board, apartments, and laundry.

Candidates must possess registered qualifications.

Applications, stating qualifications and experience, together with copies of testimonials, should be sent to the undersigned on or before 31st March, 1938.

The successful candidate will be required to take up residence in early April.

EDWARD J. GREGG, House Governor and Secretary.

City and County of Bristol.

BARROW HOSPITAL.

SECOND ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the position of Second Assistant Medical Officer (Male) at the above-named Hospital.

The salary offered is £400 per annum, rising by four annual increments of £25 to £500 per annum, plus full residential emoluments valued for superannuation purposes at £150 per annum; in addition £50 per annum will be paid for the D.P.M.

Candidates should be of British nationality, under thirty-five years of age and unmarried. Preference will be given to candidates with previous general and mental hospital experience.

The Hospital is a complete modern unit situated 3½ miles from Bristol, with a full Consultant staff and every facility for treatment and research.

Applications accompanied by two testimonials, a statement of particulars and experience and a photograph, should be sent to the Medical Superintendent, Bristol Mental Hospital, Fishponds, Bristol, not later than 1st April, 1938.

JOSIAH GREEN, Clerk to the Visiting Committee.

The Council House, Bristol, 1, 12th March, 1938.

North Staffordshire Royal Infirmary.

STOKE-ON-TRENT. (390 Beds.)

RESIDENT ANÆSTHETIST.

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

This appointment, which is recognised by the Royal College of Surgeons for the Diploma in Anæsthetics, will be made for six months, renewable.

Previous hospital Anæsthetic experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By Order,

W. STEVENSON, Secretary and House Governor.

8th March, 1938.

Southend-on-Sea General Hospital.

(235 Beds. 8 Residents.)

Hon. Specialist Staff of 20 members.

Applications are invited for the posts of:—

(1) HOUSE PHYSICIAN.

(2) HOUSE SURGEON (including work in one special Department)

Duties to commence on 1st April, 1938. The appointments are for six months each, salary at the rate of £100 per annum, with board, residence, and laundry. Candidates must be registered (Male) Practitioners.

Applications, together with copies of two recent testimonials, should be sent to the undersigned not later than 23rd March, 1938.

P. H. CONSTABLE, Secretary.

Derbyshire County Council.

WOMAN ASSISTANT MATERNITY AND CHILD WELFARE MEDICAL OFFICER.

The Derbyshire County Council require the services of a fully qualified whole-time Woman Assistant Maternity and Child Welfare Medical Officer experience in Ante-Natal work, Midwifery, and Children's Diseases, to hold (under the direction of the County Medical Officer of Health) consultations at the Ante-Natal and Maternity and Child Welfare Centres of the Derbyshire County Council and (under the like direction) to perform such other duties as appertain to the office.

The salary will be £600 per annum, rising by £25 per annum to £700 per annum.

The appointment will be a designated post under the Local Government and Other Officers' Superannuation Act and the successful candidate will be required to pass a medical examination.

Forms of application may be obtained from the undersigned, to whom they must be returned, together with copies of not more than three recent testimonials, not later than 4th April, 1938.

W. M. ASH, County Medical Officer of Health.

New County Offices, St. Mary's Gate, Derby.

10th March, 1938.

King Edward VII Hospital, Windsor.

(200 Beds.)

CASUALTY OFFICER required for beginning of April. Applicants must be fully qualified Men or Women, registered and unmarried.

Salary at the rate of £120 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, accompanied by testimonials, should be sent to the undersigned not later than March 25th.

A. E. CHURCHER, Secretary.

Royal Victoria Infirmary,

NEWCASTLE-UPON-TYNE. (785 Beds).

WHOLE-TIME ASSISTANT TO RADIOLOGICAL DEPARTMENT.

(Open Appointment.)

Applications are invited for the above post.

Candidates must be registered Medical Practitioners duly qualified in Medicine and in Surgery, and must hold the D.M.R. or at least the first part of it.

The appointment is for one year and is renewable annually for a period not exceeding three years.

The salary is at the rate of £300 per annum (non-resident).

Full information can be obtained by application to the undersigned, by whom applications stating age, qualifications, and experience, and accompanied by not more than three recent testimonials, must be received not later than Thursday, 31st March, 1938.

S. DUNSTAN, House Governor and Secretary.

11th March, 1938.

Royal Victoria Infirmary,

NEWCASTLE-UPON-TYNE.

(785 Beds.)

Applications are invited for the post of Whole-time REGISTRAR to the ORTHOPÆDIC DEPARTMENT (open appointment).

Candidates must be registered in Medicine and Surgery.

The appointment will be for one year, commencing 11th April, 1938, and may be further renewed on conditions.

The rate of remuneration is £150 per annum.

Regulations governing the appointment must be obtained from the undersigned, and applications, with copies of not more than three recent testimonials, should be received by first post on Thursday, 31st March, 1938.

S. DUNSTAN, House Governor and Secretary.

11th March, 1938.

The Royal Northern Infirmary,

INVERNESS.

MEDICAL SUPERINTENDENT.

Applications are invited for the post of Medical Superintendent. Applicants must be members of the Medical Profession and have experience in Hospital Administration. Salary £500.

Particulars relative to the duties of the office can be had from the undersigned, with whom ten copies of letter of application stating age and experience, together with ten copies of testimonials, must be lodged not later than 2nd April, 1938.

ROBERT GILBERT, Honorary Secretary.

County Borough of Stockport.

PUBLIC HEALTH AND ASSISTANCE COMMITTEE.
STEPPING HILL HOSPITAL.
(453 Beds.)

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Practitioners for the post of Resident Assistant Medical Officer (Male) at the above Hospital.

Salary £350 per annum, with board, residence, and laundry.

The appointment is for one year.

The person appointed will be required to devote the whole of his time to the duties of the office.

The appointment is determinable by one month's notice on either side.

Experience in Surgery and Obstetrics will be a special recommendation.

Applications, stating age, qualifications, and experience, together with copies of three testimonials are to be sent to the undersigned endorsed "Assistant Medical Officer."

H. BARLOW, Public Assistance Officer.

Public Assistance Offices, Shaw Heath, Stockport.
9th March, 1938.

Derbyshire Royal Infirmary, Derby.

(General Hospital. 362 Beds.)

Applications are invited for the post of HOUSE SURGEON FOR EAR, THROAT AND NOSE DEPARTMENT, who must be a male of British nationality and unmarried.

Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c.

Applications, with copies of testimonials, to be sent to the undersigned.

State earliest date duties could be commenced.

ARTHUR TAYLOR, Superintendent and Secretary.

Lancashire County Council.

BIDDULPH GRANGE ORTHOPÆDIC HOSPITAL.

Applications are invited from duly qualified and registered Medical Practitioners for the post of ASSISTANT VISITING ORTHOPÆDIC SURGEON at the above Hospital, which contains 88 beds. Salary is at the rate of £250 per annum.

Candidates must have had special training and experience in orthopædic surgery, and must possess the diploma of F.R.C.S. (Eng.). The successful candidate will be required to visit the hospital twice weekly. The appointment will be for a period of three years, terminable by one calendar month's notice on either side.

Applications, with copies of two recent testimonials, should be sent not later than 2nd April, 1938, to Dr. F. Hall, School Medical and Child Welfare Department, County Offices, Preston. GEORGE ETHERTON, Clerk of the County Council.

King Edward VII Hospital, Windsor.

(200 Beds.)

HOUSE SURGEON required, beginning April (preferably with Ear, Nose, and Throat experience) for charge of Ear, Nose, and Throat beds and other special departments. Applicants must be fully qualified Men or Women and registered and unmarried.

Salary at the rate of £120 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, accompanied by testimonials, should be sent to the undersigned not later than March 25th.

A. E. CHURCHER, Secretary.

Birmingham Maternity Hospital.

HOUSE SURGEON (Man or Woman) wanted for nine months from 1st May, 1938 (three months in Hospital, three months on District and three months in Hospital). Salary to be at the rate of £75 per annum.

Applications, with full particulars and copies of testimonials, to be sent not later than 2nd April to HUGH C. ASTON, 45, Newhall-street, Birmingham, 3.

University of Oxford.

LORD NUFFIELD'S BENEFACTION FOR THE ADVANCEMENT OF MEDICINE.

FIRST ASSISTANT IN THE DEPARTMENT OF CLINICAL MEDICINE.

Applications are invited for the whole-time post of First Assistant in the Department of Clinical Medicine.

The successful candidate will be required to assist the Nuffield Professor of Clinical Medicine in the wards and out-patient department at the Radcliffe Infirmary and to carry out research work in the Department of Clinical Medicine. The appointment is for two years in the first instance, but will be renewable thereafter annually for not more than three further years. The initial salary is £600 a year.

Candidates, who must hold a medical qualification registrable in Great Britain, are requested to send ten copies of their applications and of not more than three recent testimonials to the Secretary of Faculties, University Registry, Oxford, so as to reach him not later than Saturday, 16th April, 1938.

The Scottish Livingstone Hospital

AT MOLEPOLOLE, BECHUANALAND,

is in need of a DOCTOR MISSIONARY. Salary £240 unmarried, £300 married, also outfit and furnishing allowances and return passage paid.

Short term appointment of two years might be considered.

For information apply to: The Secretary (Mrs. WM. BELL), United Free Church of Scotland, 266, St. Vincent-street, Glasgow, C.2.

Hertfordshire County Council.

MATERNITY AND CHILD WELFARE.

Applications are invited for the post of MEDICAL OFFICER for Maternity and Child Welfare work in the County of Hertford. Applicants must be registered Medical Practitioners, and have had special experience in Maternity and Child Welfare and Ante-natal work, and have had at least three years' experience in the practice of their profession. Commencing salary £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum.

The post is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful applicant will have to pass a medical examination.

The officer appointed should possess a motor car, for the use of which a mileage allowance according to the County Scale will be paid.

Particulars of experience, qualifications, and copies of three recent testimonials should be sent to the Clerk of the County Council, Clerk of the Peace Office, Hertford, not later than Friday, the 1st April, 1938.

ELTON LONGMORE, Clerk of the County Council.

Hertford, March, 1938.

Princess Alice Hospital, Eastbourne.

(Voluntary General Hospital, 120 Beds. Two House Surgeons.)

RESIDENT HOUSE SURGEON (Male) required on 9th April, 1938. Salary at the rate of £150 per annum, with board and laundry.

Applications from registered Practitioners, accompanied by copies of three recent testimonials, should be delivered to the undersigned by the first post on Wednesday, 30th March, 1938.

9th March, 1938. W. RUSSELL RUDALL, Secretary.

Ancoats Hospital, Manchester, 4.

RESIDENT SURGICAL OFFICER.

Applications are invited for the above post.

The appointment is for twelve months. Salary £200 per annum, with board, apartments, laundry, &c.

Candidates holding the F.R.C.S. Diploma will be preferred.

Applications, stating age, qualifications, and experience, with copies of three recent testimonials, to be forwarded to the undersigned on or before the 30th March next.

By order of the Board.

HERBERT J. DAFFORNE, General Supt. and Secretary.

The Royal Infirmary, Sheffield.

(500 Beds.)

The Board of Management invite applications for the post of HOUSE SURGEON TO THE EAR, NOSE AND THROAT DEPARTMENT. The salary attached to this post is £80 per annum, increasing after six months' service to £100 per annum, with board and residence.

The appointment will be tenable until 30th April, 1938. The successful candidate will be eligible for re-election to this or one of the other fourteen House appointments.

Applications, with copies of testimonials, to be sent to the General Superintendent and Secretary.

14th March, 1938.

The Royal Infirmary, Bradford.

FIVE HOUSE SURGEONS (Males) wanted for 1st May. Six months' appointments.

Candidates must be single and legally qualified.

Salary £150 per annum, with board, residence, and washing.

There are 345 beds and 10 Resident Officers.

Applications, stating age, qualifications, and previous experience, with copies of recent testimonials, should be sent to the undersigned by 2nd April.

H. TRUSSON, House Governor and Secretary.

11th March, 1938.

Bristol Dispensary.

The Committee are prepared to appoint a NON-RESIDENT MEDICAL OFFICER on the Staff of this Institution.

Candidates must be duly registered according to the provisions of the Medical Acts, and not over the age of 35.

The candidate appointed will be required to commence duty on May 30th.

Each candidate must give his or her time to the services of the Institution in such a way as may be directed. The Committee may give permission for private practice.

For particulars apply to the Secretary, to whom testimonials must be sent on or before April 5th. Card, with address, should be enclosed.

H. MERRETT STOCK, Secretary.

47, St. Nicholas-street, Bristol, March 11th, 1938.

Nottingham General Hospital.
(389 Beds.)

A HOUSE PHYSICIAN (Male) is required at the above Institution. The appointment is for six months with salary at the rate of £150 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned at once.

Duties to commence on April 1st, 1938.

PETER M. MACCOLL, House Governor and Secretary.

General Infirmary, Salisbury.
(Voluntary Hospital, 200 Beds, now in course of extension to 215 Beds.)

HOUSE SURGEON (Male) required to commence duty at once.

The appointment is for six months, with the right of applying for re-appointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered. The Hospital is recognised under F.R.C.S. regulations.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

Salop County Council.

MEDICAL INSPECTION OF SCHOOL CHILDREN AND MATERNITY AND CHILD WELFARE SCHEMES.

ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Assistant Medical Officer to work under the above schemes, at a commencing salary according to experience—scale £500 per annum, rising by annual increments of £25 to a maximum of £700 (with travelling and out-of-pocket expenses) subject to a deduction of 5 per cent. for superannuation under the Local Government and Other Officers' Superannuation Act, 1922. The successful candidate will be required to pass a medical examination.

Preference will be given to candidates with a Public Health qualification, and experience in refraction work is desirable.

Applications, accompanied by a copy of three recent testimonials, should be received not later than 13th April, 1938, by the County Medical Officer, County Health Offices, Shrewsbury, from whom the necessary forms and conditions of service can be obtained.

W. L. EDGE, Clerk of the Council.

Shirehall, Shrewsbury, 14th March, 1938.

Royal Hospital, Richmond, Surrey.

Applications are invited immediately for the following posts:—

SENIOR HOUSE SURGEON (Male). £150 per annum.
JUNIOR HOUSE SURGEON (Male). £100 per annum.

In the case of the Senior appointment, the Hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. Form of application can be obtained from the undersigned.

G. M. EDEN, Secretary-Superintendent.

East Suffolk and Ipswich Hospital.
(350 Beds. 8 Residents.)

Wanted, 1st April, CASUALTY OFFICER (British—Male). Salary at the rate of £144 per annum, with board, apartments, and laundry.

Applications, together with copies of three recent testimonials, to be sent to the undersigned immediately.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 19th March, 1938.

King Edward Memorial Hospital,
EALING.
(145 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to act in the Eye, Gynæcological and Ear, Nose, and Throat Departments. Six months' appointment from 1st May, 1938, with possibility of re-election for a further period. Salary £150 per annum, with the usual residential emoluments.

Applications, stating age, experience, and qualifications and accompanied by copies of two recent testimonials, to be sent to the undersigned not later than Tuesday, 5th April, 1938.

R. A. MICKELWRIGHT, House Governor.

The Chester Royal Infirmary.
(225 Beds.)

TWO HOUSE SURGEONS (MALE).

Applications are invited for the above posts, to take up duty on 1st April, 1938. Salary £150 per annum, with board, lodging, and laundry. The appointments are approved in connexion with the M.S. (London University) and F.R.C.S. (Eng.) Examinations. Application list closes 25th March, 1938.

Application forms may be obtained from:—

W. H. GRACE, M.D., M.R.C.P.,
Hon. Secretary, Medical Committee.

Dundee Mental Hospital, Westgreen.

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Male) to the above Hospital. Salary £300 per annum, with board, lodging, and laundry, subject to deductions under the Asylum Officers' Superannuation Act. The Hospital is the teaching centre for St. Andrews University and opportunity is afforded for research and study in Psychiatry.

Applications, stating age and experience, with copies of three recent testimonials, to be forwarded to the Medical Superintendent on or before Wednesday, 6th April.

A. ALLAN BELL, Medical Superintendent.

Hove General Hospital, Hove.
(53 Beds.)

Applications are invited for the appointment of JUNIOR RESIDENT MEDICAL OFFICER (Male). Salary £120 per annum, with board, apartments, and laundry. The successful applicant will, if suitable, be eligible to apply for the senior post which becomes vacant six months later.

Applications, stating age and qualifications, together with three recent testimonials, to be forwarded to the undersigned.

K. C. BOOKER, Secretary-Superintendent.

Herefordshire General Hospital,
HEREFORD.
(152 Beds.)

Immediate applications are invited for the post of House Surgeon (Male) in charge of Casualty and Ear, Nose, and Throat Departments.

Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, should be sent to the undersigned.

T. W. UPTON, Secretary.

The Glasgow Eye Infirmary.

The Directors invite applications from registered Medical Practitioners for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with apartments and board.

Applications, with copies of testimonials, should be lodged with the undersigned by 28th March, 1938.

T. C. CALDWELL, Secretary.

140, West George-street, Glasgow, C.2.
14th March, 1938.

City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for a Whole-time Male Assistant Medical Officer of Health. Age not exceeding forty years. Salary £500 per annum, rising by annual increments of £50 to £700. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922. The Diploma of Public Health is essential.

Candidates having experience in refraction work, and who are recognised by the Board of Education as Certifying Officers under Section 55 of the Education Act, 1921, and Section 31 of the Mental Deficiency Act, 1913, will be given special consideration.

Particulars of the duties of the Assistant Medical Officer may be obtained from the undersigned.

Applications, which must be on the form provided for this purpose, should be accompanied by not more than three recent testimonials, and must be received by the undersigned not later than Saturday, 2nd April, 1938. Envelopes should be endorsed "Assistant Medical Officer of Health."

Canvassing will disqualify.

JOSIAH GREEN, Town Clerk.

Council House, Bristol, 1, 15th March, 1938.

Burslem, Haywood, and Tunstall War
MEMORIAL HOSPITAL, High-lane, TUNSTALL, STOKE-ON-TRENT.
(66 Beds. Approved Training School for Nurses.)

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £175 per annum, with board, residence, and laundry.

The appointment is for six months in the first instance; reappointment may be applied for. Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

Locum Tenens Assistant Medical
Officer required for the months of June and July, 1938. Salary One Guinea per day, together with usual residential emoluments.

Applications to be sent without delay to the Medical Superintendent, DURHAM COUNTY MENTAL HOSPITAL, WINTERTON, SEDGEFIELD, STOCKTON-ON-TEES.

Oxted and Limpsfield Cottage Hospital,
OXTED, SURREY.

HONORARY EAR, NOSE, AND THROAT SURGEON.

The Board of Management invite applications for the above appointment.

Applications must reach the undersigned by Saturday, March 26th.

F. W. WALPOLE, Secretary.

The Royal Cripples Hospital,
BIRMINGHAM.
(306 Beds and large Out-patient Department.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male) vacant April 1st next. Salary £200 per annum, plus car allowance. The appointment, which is for a period of six months, is renewable on the discretion of the Medical Board, and is terminable by one month's notice on either side.

Candidates must be unmarried, and preference will be given to those with previous experience in General and Orthopædic Hospitals.

Applications, with copies of three recent testimonials, to be sent on or before March 25th, 1938, to the General Secretary, Royal Cripples Hospital, 80, Broad-street, Birmingham, 15.

Manchester and Salford Hospital for
SKIN DISEASES.
(54 Beds. 14,500 Out-patients per annum.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon. Must be registered. The appointment is for six months. Salary at the rate of £150 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned, Quay-street, Manchester.

JOHN NALL, Secretary.

Prince of Wales's Hospital,
Greenbank-road, PLYMOUTH.
(Formerly South Devon & East Cornwall Hospital). 264 Beds.

Applications are invited for the post of non-resident whole-time ASSISTANT PATHOLOGIST. Duties to commence if possible on April 11th.

Commencing salary £500 per annum.

Candidates must be duly qualified Medical Practitioners.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned on or before 25th March.

ARTHUR R. CASH, General Superintendent.

Walsall General Hospital.

The Committee will shortly proceed to the appointment of an ASSISTANT HON. SURGEON to the Ear, Nose, and Throat Department.

Applications with the necessary particulars should be made to the undersigned.

WALTER FRANCOMBE, House Governor.

14th March, 1938.

Portsmouth and Southern Counties
Eye and Ear Hospital, Pembroke-road, PORTSMOUTH.

HOUSE SURGEON (Male).

Applications are invited from registered Medical Practitioners for the above post, vacant on the 1st April. Salary £150 per annum, plus board and lodging.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, to be addressed to the Secretary not later than the 31st March, 1938.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Typewriting.—Specialists in Typing Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson Ltd., 16, Palace Chambers, Bridge-street, S.W.1. WHItehall 3838.

Junior Press Reader for Editorial Dept., John Wright and Sons, Ltd., Medical Publishers, Bristol.

Lady, aged 24, requires Receptionist work to Doctor or Dentist or both. Educated in America and England. Good reference.—Osborne, 67, Oxford-terrace, Hyde Park, W.2. Padd. 5567.

Secretary (Lady) seeks Post with London doctor. Twelve years' experience, three and four years with general practitioners. University degree. Salary £3 10s. or near.—Miss Simpson, 21, Hervey-road, S.E.3.

Purchase of Medical Practices ASSISTANCE SCHEME. Write for full particulars to T. A. GREATOREX, LTD., 2, Tailor's-court, Broad-street, Bristol, 1.

Radiological Practice in South Africa.

An Assistant with a view to Partnership is required in a Diagnostic Practice near Johannesburg. Mixed hospital and private practice.

Salary offered, £1000 per annum. Estimated value of half-share of Practice, £1500.

Clinical and diagnostic experience essential.

Passage paid. Interview in England. Apply to MISS M. C. TOD, F.R.C.S., D.R. Edin., Clerwood, Corstorphine, Edinburgh.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

London.—Cora Hotel, Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors. Modern comforts.

Excellent table. A.A. and R.A.C. recommended.

Room, bath, and table d'hôte breakfast, 8s. 6d.

A few rooms 9s. 6d. and 10s. 6d. per person.

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39, UPPER GROSVENOR-STREET, W.1.

To Let.—Two fine suites of Consulting ROOMS, suitable for doctor, dentist, &c. Modern building with all amenities, including air conditioning. Low rent of £300 per annum, inc.

For fuller particulars, apply to Head Porter, Eaton House, 39, Upper Grosvenor-street, W.1, or to Letting Office, 61, Queensway, W.2. 'Phone: Bay. 1818.

Pleasant Flat, Devonshire-street, suit- able doctor or dentist; 3 rooms, kitchen, dining-hall bathroom, constant hot water, central heating, lift, porter' service. Rent (reduced for remainder of lease) £235 renewable Tel. Welbeck 4189.

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& 26, HARLEY-MEWS NORTH, W.1.
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Solicitors: Messrs. McKENNA AND CO., 31/34, Basinghall-street, E.C.2. Auctioneers: Messrs. PRITCHARD AND ENGLISH, 50, Great Portland-street, W.1; Messrs. KNIGHT, FRANK AND RUTLEY, 20, Hanover-square, W.1.

DOCTOR OR DENTIST' CHARLES STREET, MAYFAIR.

SOMETHING EXCEPTIONAL

A very Light ROOM in most dignified house, panelled in rich mellowed mahogany, hot and cold water in room, oak flooring, use of beautifully furnished waiting-room, imposing entrance hall. Steward in attendance to receive patients. To be Let on Lease.—Apply, H. STANLEY & Co., 4, Park Lane, W.1. Telephone: Mayfair 8511.

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Surgery Vacant.—24×16, fitted Gas fire, hot water, electric light, lino and waiting-hall. Two entrances. Permanent position, High-road, Chiswick. Rental £60 per annum, inclusive. 'Phone: Chiswick 3538.

PORTLAND PLACE.
(DUCHESS-STREET.)

Consulting-room, Sitting-room, Bedroom and bathroom with full service. Unfurnished at £325 per annum or would be furnished.—Apply, GODDARD AND SMITH, 22, King-street, St. James's, S.W.1. Whitehall 2721 (Extension 24).

Notting Hill Gate (close).—Lower MAISONNETTE of 7 spacious rooms (4 on ground floor) and offices. Ideal consulting-rooms and residence. Gardens at rear. Rent £180 per annum inclusive.—Apply, SLADDEN, STUART AND POWELL, 44, Royal-crescent, Holland Park-avenue, W.11, Park 6416.

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Close to Tube and Bus route.

A Detached House admirably suitable for Nursing-home or Doctor's residence. On 2 floors, comprising 3 reception-rooms, 6 bedrooms with lavatory basins, full-sized billiard-room, bath-room, kitchen, &c. Central heating throughout. Double garage. In own beautiful grounds of about ¾ acres. Swimming-pool and garden shelter. Fruit trees, &c. Newly decorated throughout. Freehold £6500. All in perfect condition.—Address No. 385, THE LANCET Office, 7, Adam Street, Adelphi, W.C.2.

Ophthalmic Surgeon's perfectly equipped CONSULTING-ROOM, Harley-street, to be Let part-time.—Address, No. 384, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

House to Let, Brixton. Rent £75 per annum exclusive. Has been surgery for fifty years.—Apply, J. PUSSER AND CO., Surveyors and Estate Agents, 396, Old Kent-road, S.E.1. BERmondsey 3014/5.

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SUITABLE FOR NURSING-HOME.

Attractive Residence, 8 Bedrooms, 3 reception, 2 bathrooms. In the annexe 5 rooms. Bathroom, &c. Ample offices. Central heating. Grounds of about 1¼ acres. Freehold £3500.—Apply, Baxter, Payne & Lepper, Beckenham. Tel.: 3461.

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1. WELSH COAST.—Old-estab. PRACTICE in attractive district producing over £2000 p.a., including substantial panel. Good house with 2 reception, 7 bedrooms. Garden and garage. Very moderate rental. Premium £3100. Welsh not necessary.
2. NOTTINGHAM.—Old.-estab. PRACTICE producing over £1500 p.a., including panel of 2000. Fees from 3s. 6d. Moderate expenses. Suitable house with 2 reception, 6 bedrooms, &c., on rental. Premium 2 years' purchase.
3. NORTH WALES.—SEASIDE RESORT.—Old-estab. PRACTICE averaging over £1200 for many years, including selected panel of 425. Suitable house on rental or purchase. Premium £1700, or near offer. Vendor going abroad.
4. DEATH VACANCY, LONDON, S.E.—Old-estab. better working-class Practice producing over £2000 p.a. Panel of 2256. Very good surgery premises used as a lock-up on rental. Suitable flat available if wished.
5. LONDON, S.W.—RESIDENTIAL DISTRICT.—Old-estab. good middle-class PRACTICE held by vendor many years. Gross cash receipts approximately £1400 p.a., including panel of 500 and appointment worth about £200 p.a. House with ample accommodation on rental. Premium 2 years' purchase. Good scope for increase by energetic worker.
6. HERTS.—LARGE TOWN.—Old-estab. PRACTICE at present producing about £400 p.a., but capable of considerable expansion. Panel of over 500. Semi-detached house with 2 sitting, 4 bedrooms, &c. Good garden. Premium £1850 for practice and house. Vendor retiring.
7. LANCS.—LARGE TOWN.—Old-estab. PRACTICE producing over £600 p.a., including panel of 620. Stated to offer exceptional scope for increase as receipts have declined owing to vendor's ill health. Freehold house with 2 sitting, 3 bedrooms, &c. Garden and garage. Price for house and practice £2100, or near offer.
8. SOUTH DEVON.—LARGE TOWN.—Old-estab. chiefly better working-class PRACTICE producing at the rate of about £5000 p.a., including panel of 1800 and increasing. Excellent private house available, freehold for sale. Very suitable for two friends in partnership.
9. NORTHANTS.—ASSISTANTSHIP WITH VIEW TO PARTNERSHIP.—A Quarter Share guaranteed to produce not less than £600 p.a. is offered in well-estab. Practice producing at present approximately £2400 p.a. Premium 2 years' purchase, payable by instalments if wished.
10. SOUTH-WEST LONDON.—Old-estab. PRACTICE producing for last 12 months approximately £1400, including panel of about 1300, and appointments worth about £80 p.a. Very low expenses. Fees from 2s. 6d. Small house with 1 reception, 3 bedrooms and maid's room, &c., on rental. Premium £2600.
11. HANTS.—Old-estab. good-class PRACTICE producing about £1200 p.a., including panel of about 500. Charming house on 2 floors with all modern conveniences. Very nice garden. Price freehold £3000, half on mortgage. Premium 2 years' purchase.
12. MONMOUTHSHIRE.—Chiefly better-class PRACTICE producing approximately £1500 p.a., including small select panel, which could be increased. Fees 3s. 6d. to 21s. Well-situated house with 2 reception, 6 bedrooms, &c., on rental. Smaller house if wished. Premium £2000, payable by instalments, as arranged.
13. LONDON SOUTH-EAST.—Old-estab. PRACTICE worked as a lock-up producing between £650 and £700 p.a., of which £450 is from panel and P.M.S. Suitable surgery premises on rental. Large scope for increase by anyone devoting full time to the work.

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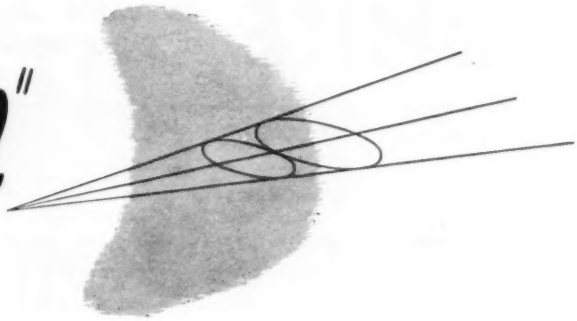

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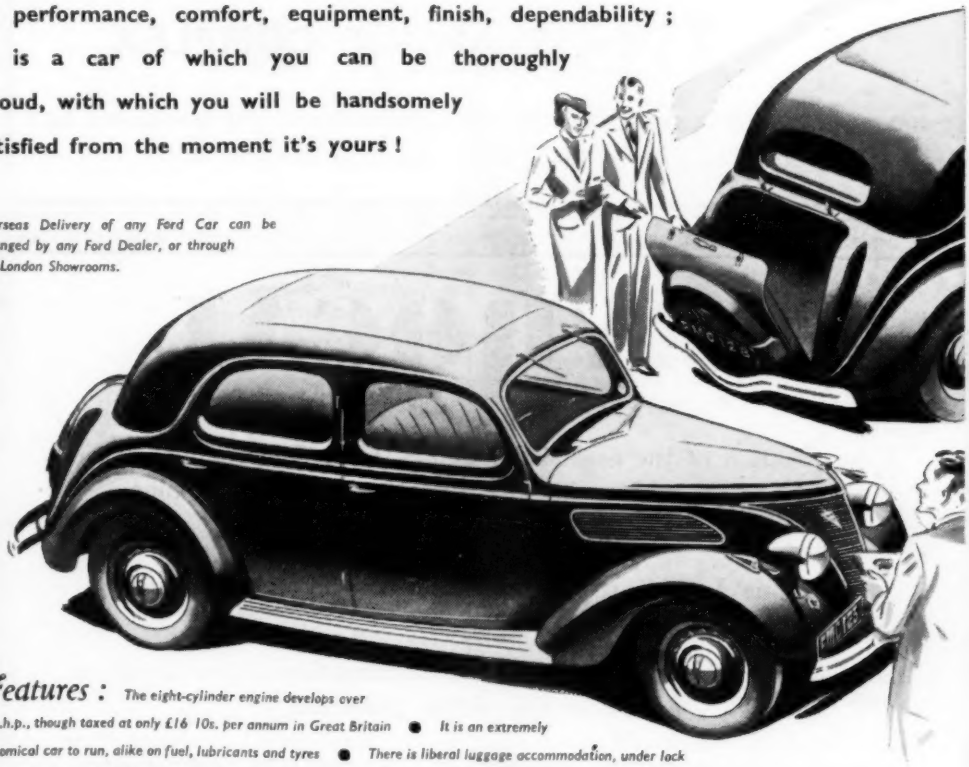

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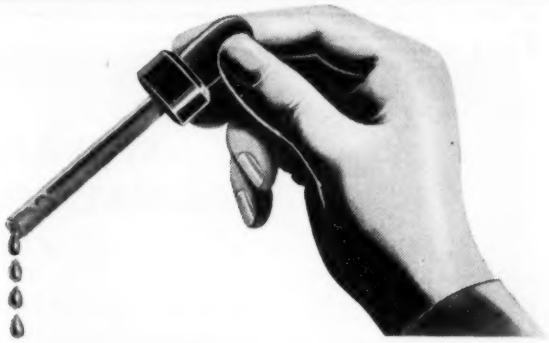

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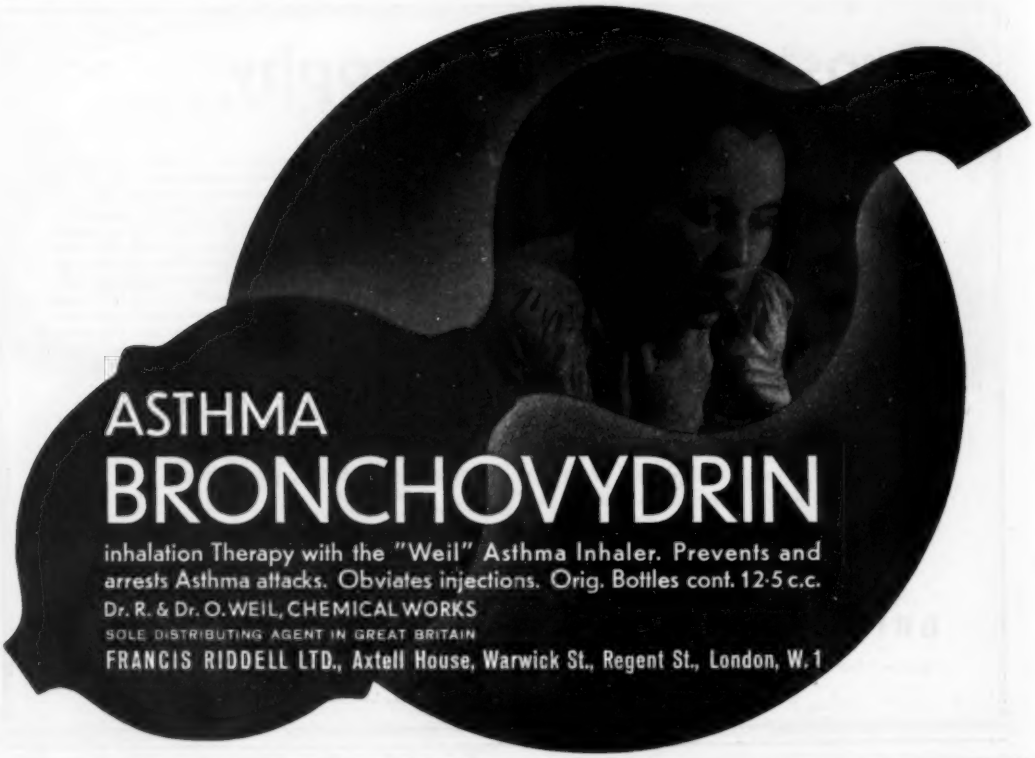

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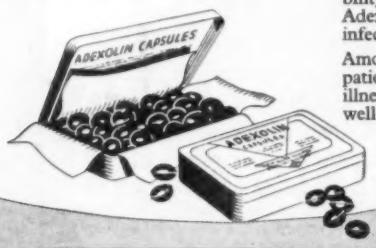

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BRAND OINTMENT; made according to the original formula of Professor W. Löhr

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Heyl BERLIN N 65

THE remarkable results attained by Professor Löhr with the Cod Liver Oil treatment of severe contused or lacerated infected wounds, burns, etc., has now been confirmed (see Lancet, 1935, 2, 290).

Professor Löhr's work has shown the necessity for a carefully stabilized vitamin content of the Cod Liver Oil used.

Unguentolan Ointment prepared and standardized according to Professor Löhr's method is now available to the medical profession in England.

The outstanding advantage of the method of treatment is that the original dressing rarely requires changing, and healing takes place with a minimum of cicatrization.

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HEWLETT'S

ANTISEPTIC CREAM

AN EMOLLIENT HEALING CREAM

FOR

BLEPHARITIS, ACNE, ECZEMA

and all abrasions and irritations of the skin

MEDICAL OPINIONS

"I consider that Messrs. Hewlett's 'Antiseptic Cream' is the best ointment that can be kept for general purposes. ITS SOOTHING AND HEALING PROPERTIES ARE MOST MARKED, and I have never seen its equal.
"E. N. —, L.R.C.P.Ed., M.R.C.S.Eng."

"I think this a most elegant preparation and certainly is excessively useful in skin abrasions.
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"I have found great improvement from the use of your Antiseptic Cream in a case of ECZEMA OF THE SCALP which had been chronic for 18 months.
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"Antiseptic Cream is a compound of zinc oleate with boric acid, lanoline, etc., which should serve many useful purposes."
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In enamelled collapsible tubes, or 1-oz. pots, labelled only, "The Ointment. To be used as directed."

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The Ideal Spring Tonic

Livogen provides the ideal spring tonic for use in those varying conditions of lowered vitality which are so widespread at the end of the winter and in the early days of spring. These conditions, manifested in asthenia, lassitude, lethargy and debility, are often extremely difficult of exact diagnosis, but physicians everywhere report that the administration of Livogen is followed by a restoration of energy, increased appetite and a general return to normal conditions.

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HALIBORANGE presents Allenburys tasteless and odourless Halibut-Liver Oil, associated with additional vitamin D and concentrated Orange Juice.

One teaspoonful of HALIBORANGE is equivalent in vitamins A and D to one teaspoonful of cod-liver oil, and in vitamin C to two teaspoonfuls of fresh orange juice.

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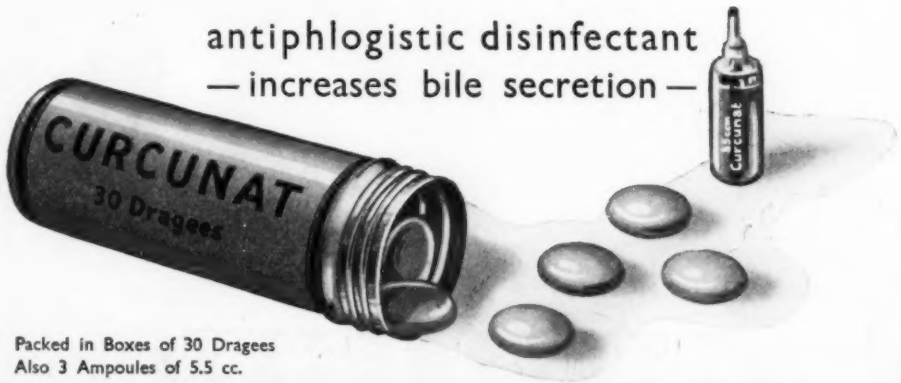

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BROSEDAN is a fluid brom-yeast preparation, possessing an agreeable flavour and a high proportion of the YEAST VITAMINS. Thanks to the yeast-component BROSEDAN does not give rise to bromide-acne.

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Colloidal Hydroxide of Aluminium

Effective in Nervous Dyspepsia

WHATEVER be the fundamental cause of nervous dyspepsia, it is acknowledged that alleviation of the gastric symptoms is an important part of effective treatment.

Nervous dyspepsia connotes hypersecretion. This causes flatulence, sour stomach, discomfort and perhaps pain. "Alocol" is the ideal gastric sedative since its action is prompt and lasting and entirely free from harmful effects.

"Alocol" acts by adsorbing excess of free hydrochloric acid in the stomach, forming a colloidal jelly which passes through into the intestines and is finally evacuated. "Alocol," therefore, actually removes from the system the causative radicle (Cl) instead of merely temporarily neutralizing it. "Alocol" does not interfere with normal digestion, nor does it determine any unpleasant secondary reactions. It is issued in tablet and powder form.

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Complete chemical history of "Alocol," with convincing clinical reports and supply for trial, sent free to physicians on request.

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M289

For Effective Control of Pain

AMONG the many and diverse analgesics which have been evolved by modern chemical research, acetyl-salicylic acid retains its reputation as one of the safest and most effective. Its tendency to liberate salicylic acid—the irritant properties of which are well known to physicians—has, however, caused many to hesitate to employ it as widely as it deserves. Exhaustive trial in hospital and private practice proves that "Alasil" definitely solves the problem of administering acetyl-salicylic acid in an effective form, being free from the risk of irritating the stomach or bowels or of causing general reactions.

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Ovacoids
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In Gonadal dysfunctions—

OVARIAN & TESTICULAR HORMONES

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The Pioneers in Endocrine Therapy.

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Bottles of 50, 500 and 1,000 tablets

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Also supplied in ointment form in collapsible tube with nozzle.

Cystopurin

(*Registered Trade Mark*)

The ideal urinary antiseptic for oral administration!

1 Produces no gastric irritation or toxic symptoms.

2 Is readily absorbed from the gut and excreted in the urine.

3 Causes no renal irritation.

4 Renders the urine bactericidal in low concentrations.

5 Acts from the renal pelvis downwards.

6 Is active in either acid or alkaline urine.

7 Perfectly safe for use in febrile conditions.

8 Acts on all causative organisms of urinary infections.

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From information received :—

"The patient was myself, aged 66 years. Owing to the cold severe weather I had contracted a semi-acute attack of cystitis with strangury, frequency of micturition, inability to retain urine in bladder, urine full of muco-pus and alkaline in reaction. I took two tablets of Cystopurin in a tumbler of water three times a day, and in 24 hours the pain and frequency were relieved. In 48 hours the urine was clear and normal in reaction."

"I find that Cystopurin is most effective in cutting short attacks of cystitis and relieving the frequency and pain which accompany micturition. The fact that IT EXERCISES ITS EFFECTS EQUALLY IN ALKALINE OR ACID URINE is a great help."

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A highly concentrated preparation
containing
10 per cent of Iron
in the form of
Colloidal Iron Hydroxide
with a trace of Copper

for the effective treatment of

the microcytic anaemias, debility and fatigue

The dosage of Colliron

Adults—20 minims three times daily after meals, or for intensive treatment, one teaspoonful once or twice daily.

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Colliron is issued in bottles:

4 fld. oz., **3/-** 16 fld. oz., **9/8**
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80 fld. oz., **40/-**

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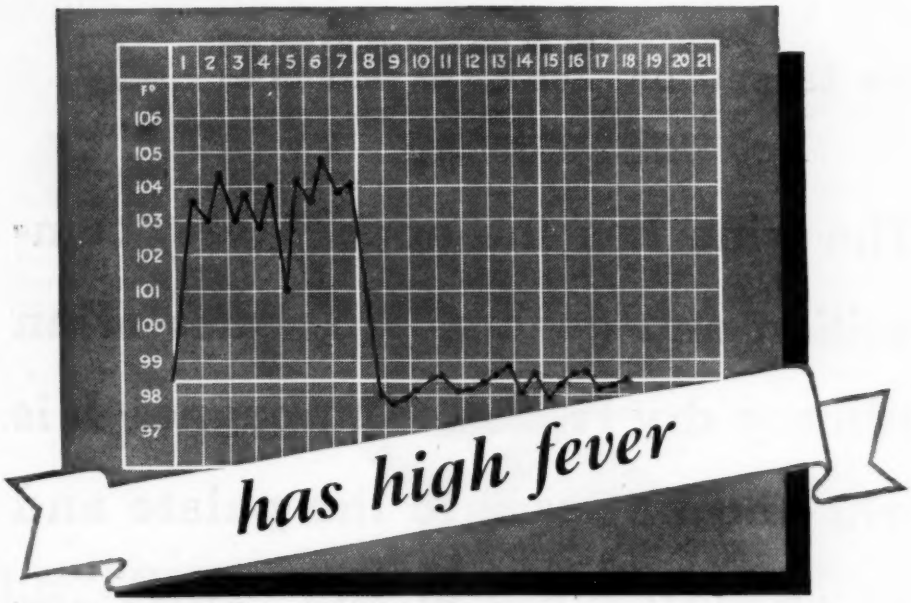
Your patient . . .



FOOD must obviously be restricted; yet some stimulating effect on digestion is desirable to maintain strength. Thirst is a problem . . .

Brand's Essence does not cause thirst. And you will appreciate other reasons why this unique stimulant is of value to your patient. Brand's will not strain the most enfeebled system because it precipitates no solids and contains no irritants. A lively flow of the gastric ferments is aroused, but excess acid is effectively dealt with through protein-adsorption. Easy assimilation gives quick effect to Brand's potent protein-sparing properties.

BRAND'S CHICKEN OR BEEF ESSENCE

is never contra-indicated

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'The Lancet' on **MOUSSEC**

"The wine has the appearance, composition and general properties of an ordinary dry French champagne. It is light and pleasant to the palate and has an agreeable aroma" ★JULY 6, 1935★

MOUSSEC

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Moussec can be recommended with confidence. Moussec is sparkling wine produced from selected champagne grapes, fermented and matured in this country by the authentic champagne process. A special process of refinement gives to Moussec a purity and digestibility specially suited to invalids. It provides the valuable stimulus of champagne at an everyday price. The shilling "baby" bottle, which fills one champagne glass, provides daily Moussec in convenient form and keeps the wine keen and full of life until wanted for use. (Other bottlings up to 6/6).

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High Blood Pressure, Metabolic Disorders and Anaemia constitute a "tripod" of modern Disease

By dilating the peripheral blood vessels, Dr. Buergi's preparation of chlorophyll ('Phyllosan' tablets) becomes a therapeutic weapon in the treatment of high blood pressure. As it also *augments the force of the heart beat,* the circulation is adequately maintained.

By stimulating the metabolic exchanges, Dr. Buergi's preparation exercises a *revitalizing* effect upon the human organism. The lay expression "*vitality*" has received a technical re-christening in the term "*metabolism.*" To speed up the latter is to renew the former. Bodily sluggishness and mental retardation are nowadays linked up with low basic metabolic rates — as, for example, in myxœdematous states.

Finally, by reason of its chemical affinities to hæmoglobin and its "catalyst" action, chlorophyll is able to *stimulate the blood-forming apparatus.* The indications for the use of 'Phyllosan' tablets in anæmic conditions are soundly rooted in laboratory tests and have been confirmed in the clinic.

Rentz (Upsala University): "Some investigations into the Pharmacological properties of Chlorophyll."
Fuller: "Anæmia, its Causes and Modern Treatment" (Lewis).

A PAMPHLET★

Hyperpiesia, Metabolic Disorders and the Anaemias

Recent Advances in Medical Practice

A review of the experimental and clinical evidence for the use of

'PHYLLOSAN' Regd.

BRAND OF CHLOROPHYLL TABLETS

in Modern Therapeutics

★ Members of the medical profession are invited to write for a free copy of this publication and a trial supply of 'Phyllosan' tablets

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Against Infection

In comparative studies made under properly controlled conditions, Metaphen has been shown to be from 8.6 to 1,509 times more germicidal against *staphylococcus aureus* than five other commonly employed antiseptics, including mercuric chloride and tincture of iodine. Against other common pathogenic organisms, Metaphen also demonstrated its marked superiority over all of the drugs tested. ● Furthermore, Metaphen was found to be 10% more effective for surface skin disinfection and 87% more effective for deep skin disinfection than tincture of iodine. (*Annals of Surg., 93:587-597.*) ● In addition to its great bactericidal power, Metaphen has other important advantages. It is non-toxic and non-irritating; does not coagulate serum or tissue albumins; and its solutions are stable when exposed to air. ● Metaphen is supplied through pharmacies in a variety of useful forms, including TINCTURE METAPHEN, METAPHEN 1:500 SOLUTION and METAPHEN 1:2,500 SOLUTION. ● Requests for professional literature are invited.

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METAPHEN

(BRAND OF 4-NITRO-ANHYDRO-HYDROXY-MERCURI-ORTHO CRESOL)

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The normal daily dosage of Bemax, i.e., ½-ounce, provides 200 International units of Vitamin B_1, **which is from four to ten times as much as the recommended daily dosage of certain Vitamin B_1 "concentrates" advertised to the medical profession.** If a higher intake is required, it is possible to supply as much as 600 to 800 units of Vitamin B_1 daily by the administration of three to four tablespoonfuls of Bemax, and this in an entirely **natural** form at only a fraction of the cost of concentrates.

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BEMAX

A unique natural source of accessory nutritional factors.

Sterility and Habitual Abortion

The increasing use of Vitamin E for habitual abortion and sterility of dietary origin demands a wheat germ oil of proven high activity and of stable Vitamin value. Such an oil is available for the medical profession in Fertilol.

FERTILOL

Wheat Germ Oil Capsules

A highly active source of Vitamin E.

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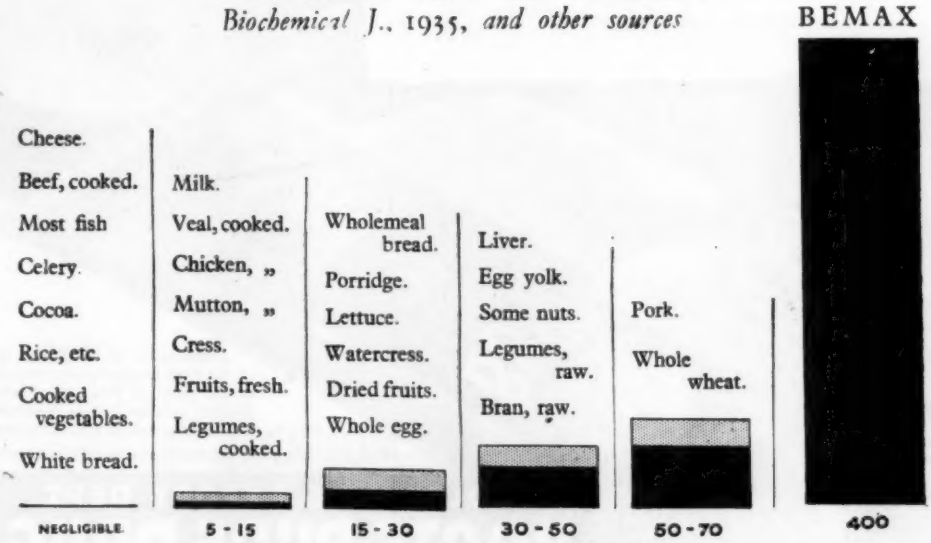
We have space at the Bemax Factory Wharf at Hammersmith Reach for about 400 members of the medical profession and friends to view the Oxford and Cambridge Boat Race to be held on April 2nd. Early application for tickets should be made, to the address below.

Vitamins Ltd., The Bemax Laboratories (Dept. L.52.), Upper Mall, London, W.6.

VITAMIN B_1 IN FOODS

Biochemical J., 1935, and other sources



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Laboratory reports on Bemax, and a clinical sample for personal trial sent on request.

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IN A RECENT ARTICLE ON THE USE AND ABUSE OF ANTISEPTICS (Brit. Med. J., Dec. 18th, 1937, page 1233) SPECIAL ATTENTION IS DIRECTED TO ACRIFLAVINE AND RELATED ACRIDINE COMPOUNDS

"These are the only substances which have been proved by controlled animal experiment to be capable of averting wound sepsis. They kill or prevent the growth of pyogenic cocci in extreme dilution, act slowly, and in some cases are more bactericidal in serum—a unique property. They are also relatively non-toxic, sufficient concentrations for antiseptic action demonstrably leaving the activities of leucocytes unimpaired; this property is also unique. It is therefore possible to infiltrate tissues with solutions in order to prevent infection or to arrest it at an early stage."

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BOOTS PURE DRUG CO., LTD.,

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SUPRARENAL CONCENTRATE

CAPSULES

COLLATED CLINICAL EXPERIENCE HAS DEMONSTRATED THE VALUE OF SUPRARENAL CONCENTRATE MEDICATION IN THE SUCCESSFUL TREATMENT OF **HAY FEVER, URTICARIA** AND **ANGIONEUROTIC ŒDEMA.**

GLANOID SUPRARENAL CONCENTRATE IS AVAILABLE IN CAPSULE FORM FOR ORAL ADMINISTRATION.

SUPPLIED IN BOTTLES OF 25, 50 & 100 2-GRAIN CAPSULES

Literature and Case Reports will be sent on request, write to :—

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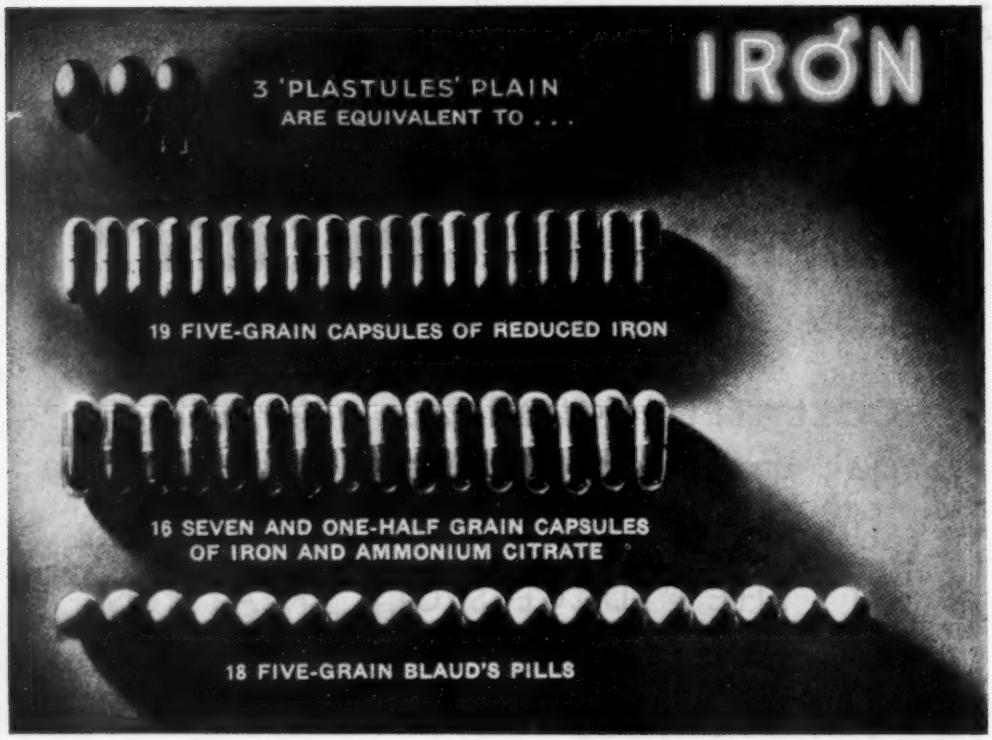

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IMPROVED IRON TONIC

Leading authorities are of the opinion that large doses of iron are no longer necessary for the successful treatment of hypochromic anæmia and debility. Independent investigations have shown that 'Plastules' yield rapid clinical response, equivalent to the results obtained from massive doses of other forms of iron. The average patient requires only three 'Plastules' Plain daily which obviates the unpleasant effects usually associated with massive iron feedings. Prescribe 'Plastules' for your patients and note the immediate results—appetite and colour return rapidly.

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is an unusually stable germicide, odourless, non-irritating and non-selective in bactericidal action.

Azochloramid's exceptional stability renders it particularly valuable for the dressing, packing and irrigation of infected wounds, cavities and abscesses of various kinds and degrees and as a prophylactic agent to prevent infection of post-operative and traumatic wounds.

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In Children's Head Colds

IN 100 cases of acute rhinitis in children from 2 months to 12 years of age treated with Benzedrine Brand Inhaler, two observers report prompt and adequate shrinkage of the nasal mucosa in 97%. The vapour form of treatment—in addition to its greater effectiveness—overcomes the objections which children show to liquid inhalants. (*Arch. Pediat.*, 54:97, 1937.)

For the adult members of the family, Benzedrine Brand Inhaler is equally useful. Untoward effects are negligible, ciliary action is not inhibited, and the vapour, by diffusing throughout the entire upper respiratory tract, "often helps to abort or shorten conditions that would otherwise proceed to more serious complications." (*Clin. Med. & Surg.*, 44:25, 1937.)

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Effective therapy for—

PERNICIOUS ANAEMIA

WITH SMALL DOSES AT RELATIVELY LONG INTERVALS

PERNICIOUS ANÆMIA THERAPY, since it involves continued treatment at definite intervals, must consider the discomfort and inconvenience caused by the injection of the liver extract.

This discomfort and inconvenience is reduced to a minimum by the use of "1 cc. Concentrated Solution Liver Extract (Parenteral) *Lederle,*" which offers:

—a high degree of therapeutic effectiveness;

—a small volume for each injection;

—relatively long intervals (7 to 20 or more days) between injections.

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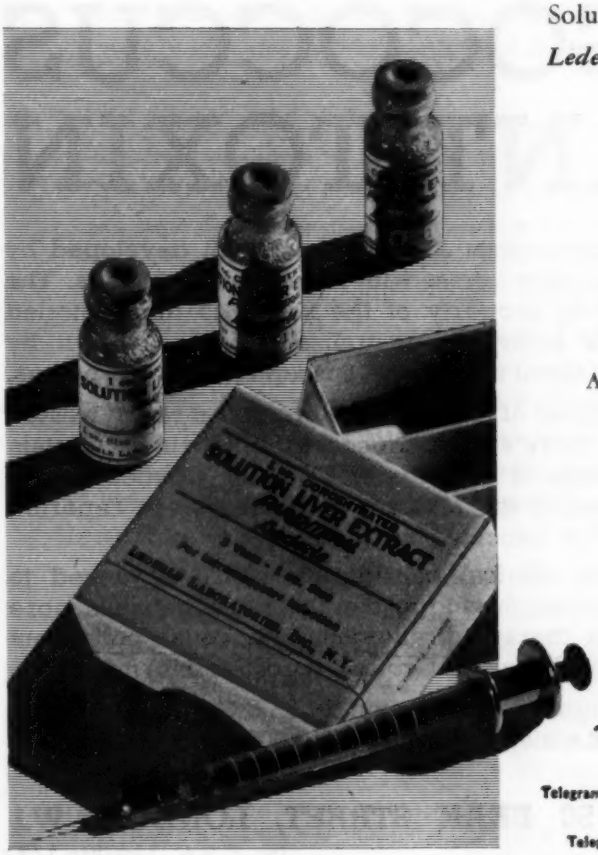
Available only in boxes of 3—1 cc. vials.



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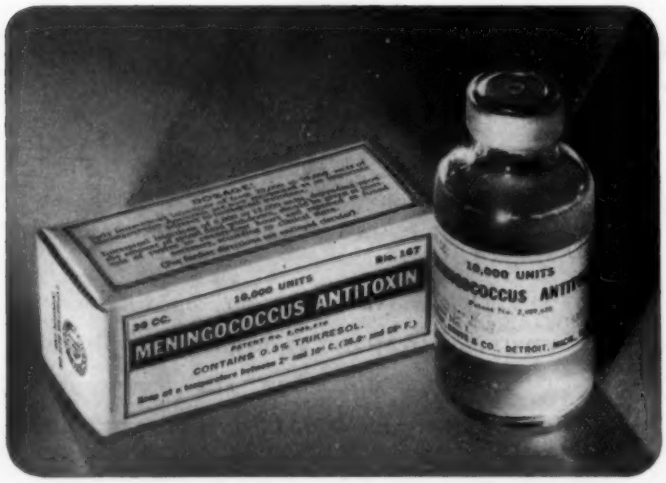

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Meningococcus Antitoxin has been developed by immunizing horses with the soluble exotoxins. The antitoxic property of the serum is demonstrated by its ability to neutralize toxin, as shown by intradermal injection in susceptible human beings.

A number of cases of cerebro-spinal fever, treated with Ferry's Meningococcus Antitoxin in certain hospitals of the London County Council at the request of the Ministry of Health, were reported in "The Lancet," April 13, 1935.

Several clinical considerations are advanced to strengthen the suggestion that the antitoxin is more potent therapeutically than the usual polyvalent serum, at least for Group I (types I and III) infections.

Meningococcus Antitoxin (P., D. & Co.) is supplied in 30 c.c. vials, representing 10,000 units of antitoxin.

Further particulars will be supplied on request to :—

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Laboratories: Hounslow, Middlesex **Inc. U.S.A., Liability Ltd.**

RELIEF OF MENOPAUSAL SYMPTOMS

BY MEANS OF

OESTROFORM

Oestroform, being the pure œstrogenic hormone standardised in International Benzoate Units, possesses a specific action in the treatment of symptoms associated with the menopause.

Injections of Oestroform, 20,000 or 50,000 I.B.U. according to whether the condition is moderate or severe, should be administered twice weekly for three or four weeks until the symptoms have been brought under control.

As soon as alleviation of symptoms has been attained this dosage of Oestroform should be reduced, since the object of treatment is not to postpone the onset of the menopause indefinitely by the administration of large doses of œstrogenic hormone but merely to keep the distressing symptoms in abeyance and allow the patient to become adjusted gradually to the endocrine changes which are taking place.

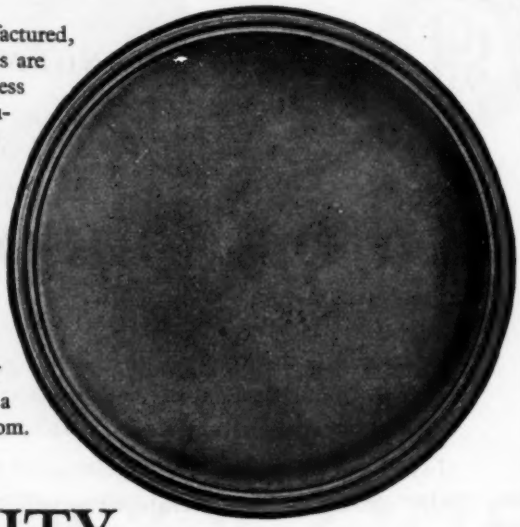
Eventually it may be found that the oral administration of Oestroform tablets alone, say three of 1000 I.U. daily, may be sufficient to maintain the patient's hormonal level adequately. In certain cases at this stage a slight exacerbation of symptoms may be encountered from time to time due to a sudden variation in endocrine balance. This is only of short duration, and may be readily controlled by an injection of Oestroform.

It must be borne in mind that if the patient is still menstruating, Oestroform treatment should be confined to the first half of the intermenstrual interval, but when this has ceased treatment can, of course, be continuous.

Literature on request

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Every day that Dextri-Maltose is manufactured, control samples for bacteriological analyses are secured from certain points in the process which experience has shown give an accurate picture of the bacteriological condition of the product in the different steps of its manufacture. As a result of experiment and experience, it has been demonstrated that by exercising certain strict sanitary control measures and precautions, the bacteria count can be reduced to the point where the finished product approaches practical sterility. The Petri-dish at right shows a plate count of only 40 bacteria per gram, obtained from a package of Dextri-Maltose selected at random.



THE REALITY OF THE UNSEEN

The things unseen determine the cleanliness, uniformity and safety of Dextri-Maltose. From years of study and experience, we know how to produce the bacteriologically clean product indicated above.

On the other hand, the Petri-dish at the left visualizes the potential danger that may accompany lack of experience. At 37° C., this sample (bought in the open market) showed a bacteria count of 420,000 per gram (compared with 40 per gram in Dextri-Maltose, as mentioned above). Every physician is deeply concerned about the pasteurization, certification, etc., of the cow's milk his babies are fed on, but even sterile milk would give the infant *over seventeen million* bacteria per daily feeding when "modified" with a carbohydrate such as is represented by the Petri-dish at the left.

Samples and literature on application

BROOKS & WARBURTON, LTD.,
232, Vauxhall Bridge Road, LONDON, S.W.1

MEAD JOHNSON & CO.

TRADE MARK **'LEXTRON'** BRAND

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Experimental and clinical investigations by Jores and Goyert (1936).—Fortschr. Ther. 12, 159.

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+13	w 4	+17	+ 3	w 1	+ 1
++ 1	r+w 1	++ 1	++ 0	r+w 0	++ 0

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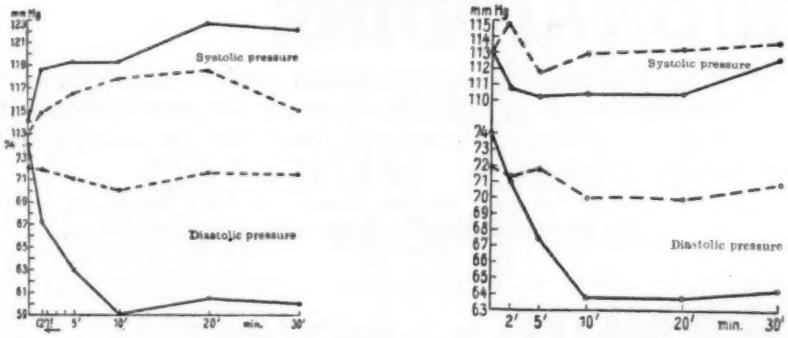

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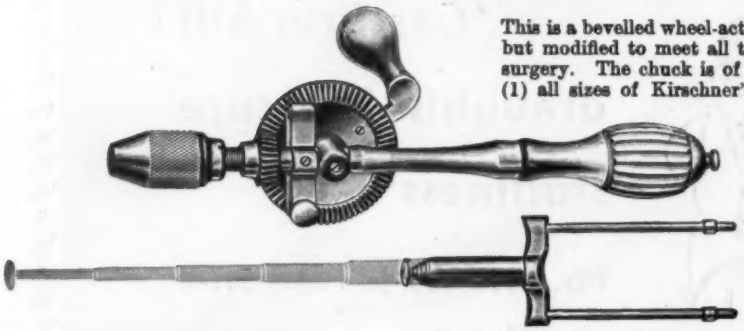

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SUPPLY STATE REGISTERED NURSES FOR ALL TYPES OF ILLNESS, INCLUDING MENTAL AND NERVE CASES AT A MOMENT'S NOTICE—DAY OR NIGHT

All Nurses fully insured against Accident. Terms from £3 13 6. Apply MATRON.

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FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply,* RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No. 8 Formby.*

PENDYFFRYN HALL SANATORIUM

PENMAENMAWR, NORTH WALES.

All Modern Methods of Treatment Available.

Ideally situated for the treatment of Tuberculosis. Sheltered from E. & N.E. winds. Climate mild and bracing. Low rainfall, high average of sunshine. The Sanatorium is situated in its own park. There are miles of graduated walks through pine, gorse and heather, rising to 1,000 ft., and commanding extensive sea and mountain views. Central heating, electric light, X-ray installation. Wireless in all rooms. Full day and night nursing staff. Special milk supply from a tuberculin tested herd. Easily accessible from LONDON (4½ hours), MANCHESTER, LIVERPOOL, BIRMINGHAM and the North.

Resident Physicians: **Dennison Pickering, M.D.; S. A. Yaffe, M.D.**

For particulars apply to the Secretary. Pendyffryn Hall, Penmaenmawr, North Wales. 'Phone 20

CALDECOTE HALL

NUNEATON
WARWICKSHIRE
('Phone: Nuneaton 241)

Residential treatment of

Functional Nervous Disorders

including Alcoholism and other Addictions
(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Functional Nervous Disorders by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coln, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor. Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

ST. ANDREW'S HOSPITAL

FOR MENTAL DISORDERS,

NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

THE COTSWOLD SANATORIUM

First opened in 1893 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S.Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 2251.

TOR-NA-DEE SANATORIUM

MURTLE, DEESIDE, ABERDEENSHIRE

FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (head-phones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

NEW LODGE CLINIC,

WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a "team" of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, and functional and organic nervous disorders.

Particulars can be obtained on application to

The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* 181 & 182, Winkfield Row.

PARK SANATORIUM

(FORMERLY SANATORIUM TURBAN)

DAVOS-PLATZ, SWITZERLAND

First-class house, 5,150 ft. above sea-level. Large park and wood belonging to the sanatorium. Terms for board and residence, including room, medical treatment, etc., from Frs. 16.– per day. Prospectus.

Medical Superintendent, F. BAUER, M.D.

Smedley's

Great Britain's Greatest Hydro

Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studa Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**

Illustrated Brochure C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

STRATHPEFFER SPA

ROSS-SHIRE

OLD-ESTABLISHED SPA, replete with Modern Equipment. Open APRIL to OCTOBER.
Reduced Terms for Accommodation and Treatments during APRIL and MAY.

IDEAL TOURIST CENTRE AND HOLIDAY RESORT

Write Secretary, Advertising Committee, Dept. 21, Strathpeffer.

MONTHLY RETURN TICKETS BY L.M.S.

G.W.R.

Travel Facilities for the Conveyance of Invalids

The Great Western Railway Company offer excellent facilities for the conveyance of hospital patients and other invalids.

Patients can make a throughout journey on the Company's new type of stretcher, which very materially adds to the comfort of invalids who have to travel lying down.

The Company also have well appointed invalid saloons fitted with special couches suspended between the roof and floor to prevent oscillation, bedding being provided where necessary. The invalid saloons also contain arm-chairs, settees, and table.

Meals are obtainable in most cases; invalid chairs are available; and every assistance is rendered by the Company's Staff.

Full details of these facilities may be obtained from the Superintendent of the Line, G.W.R., Paddington Station, or from any G.W.R. Station Master.

GWR

About the Harrogate CURE

Harrogate specialises in the Treatment of—Disorders of the Liver—congestion, cirrhosis, jaundice, cholecystitis, cholelithiasis, and tropical liver. Also in Diseases of the Skin—eczema, psoriasis, the coccal infections of the skin, etc. The Chronic Rheumatic Diseases—Arthritis, Fibrositis, Neuritis; Gout, Hyperpiesis, Mucous Colitis, Functional Disorders of the Heart, Pelvic Disorders of Women, Convalescence from acute illness.

A wide range of Sulphur and Iron waters is available for dealing with the large group of disorders amenable to Spa treatment. Prescribed diets for Spa patients can be obtained at hotels and boarding houses without extra charge. **Complimentary and reduced price facilities for the Cure, Accommodation and Amusements are available for Members of the Medical Profession.**

Full details of Harrogate for Cure and Holiday will be sent free upon application to Spa Manager, Information Bureau, Harrogate, 2. (State if a medical enquiry).

HARROGATE

"IT'S QUICKER BY RAIL"

Cheap monthly return tickets to Harrogate from all stations. Any train, any day.

ALCOHOLISM

OTHER DRUG HABITS, FUNCTIONAL NERVOUS DISORDERS, INSOMNIA

Old Hill House, Chislehurst (25 mins. from London), is charmingly situated in quiet, secluded grounds. Billiards and outdoor recreations. Under new management, with added accommodation, ladies and gentlemen are admitted for treatment. Fees 6 to 8 guineas. Special terms for long periods. For illustrated prospectus, write to the Medical Superintendent or Matron. 'Phone: Chislehurst 451.

OLD HILL HOUSE

CHISLEHURST, KENT

HOME for EPILEPTICS, MAGHULL

(Near Liverpool)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES:

1st Class (men only) from £3 p.w. upwards.

2nd Class (men and women) 32/- p.w.

For further particulars apply **Secretary,**

C. EDGAR GRISEWOOD, A.C.A., 20, Exchange St. East, Liverpool.

BROMPTON HOSPITAL
and FRIMLEY SANATORIUM

PAYING PATIENTS RECEIVED
BOTH MEDICAL and SURGICAL CASES
5 to 8 guineas per week at the Hospital. 3 to 4 guineas per week at the Sanatorium

APPLY TO THE SECRETARY:—BROMPTON HOSPITAL, S.W.3

FENSTANTON
Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds
Apply: Dr. MADELINE R. LOCKWOOD,
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

ASHWOOD HOUSE
KINGSWINFORD, STAFFORDSHIRE

An old-established home-like Institution for the treatment of MENTAL AFFECTIONS in BOTH SEXES. Probationary cases and non-certified patients are received as well as those regularly certified.

Full particulars as to reception terms, &c., may be obtained from the Resident Medical Officer.

HILL END HOSPITAL AND CLINIC
FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS
(20 miles from London)

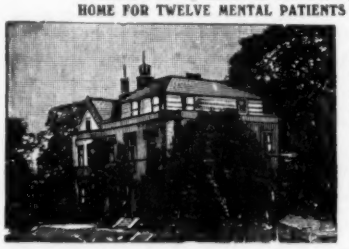
Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.
FEES TWO TO THREE GUINEAS PER WEEK.
For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS

CLARENCE LODGE
CLAPHAM PARK, LONDON
Situated in 3½ acres of secluded gardens.
HOME FOR TWELVE MENTAL PATIENTS (LADIES).



Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4911

Apply
MISS THWAITES.

THE COPPICE, NOTTINGHAM.
HOSPITAL FOR MENTAL DISEASES.
President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham

MALLING PLACE, KENT
For LADIES and GENTLEMEN of Unsound Mind
Terms moderate: Apply to Resident Medical Superintendent
Telegrams: ADAM WEST MALLING. Telephone: No. 2 MALLING

Grove House, All Stretton, Church
STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.
Climate healthy and bracing.
Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS
Ladies only received

The Grove, Old Catton, Norwich.
A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.
For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

CITY OF LONDON MENTAL HOSPITAL
Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

CHISWICK HOUSE,
PINNER, MIDDLESEX.
Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.
A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.
DOUGLAS MACAULAY M.D., D.P.M

STRETTON HOUSE,
Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2368.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.
Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.
Voluntary, Temporary, and Certified Patients received.
For further particulars apply—
Dr. ERNEST ROLLINS, Resident Physician.
Tel.: Amherst 1642.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.

Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Medical Superintendent.

Telephone: No. 6207 Barnwood.

COURT HALL

KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.

Resident Physicians—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.

Telephones—Starcross 59 and Teignmouth 289.

SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**

For Mental Cases with or without Certificates.

Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).

For forms of admission &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.

Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

NORTHUMBERLAND HOUSE

GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688.

For further particulars apply to the MEDICAL SUPERINTENDENT.

LA LIGNIERE, GLAND

(SWITZERLAND)

Medical institution located on the shores of beautiful Lake Geneva, half-way between Lausanne and Geneva.

Scientific treatment of DIGESTIVE DISORDERS, CHRONIC DISEASES, DIABETES, OBESITY, &c., by skilled resident physicians. Physiotherapy in its various forms. Special emphasis on diet. Convalescence and rest cures.

RUSSELLS

HEMEL HEMPSTEAD ROAD, WATFORD

Telephone: WATFORD 5917

This new convalescent home has just been opened for the care and treatment of mild and recoverable mental and nervous conditions in both sexes.

The house is situated high up, in 40 acres of beautiful grounds, 17 miles from London. One Lady Doctor is in residence, and another specialist in psychological medicine is in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.

Apply to Dr. HAYNES. Tel.: Brentwood 45.

Woolwich and District War Memorial

HOSPITAL, Shooters-hill, London, S.E.18.

GENERAL HOSPITAL. (112 Beds.)

(*a*) RESIDENT MEDICAL OFFICER.
(*b*) HOUSE SURGEON.

The Board of Management invites applications from suitably-qualified Male candidates for the following posts:—

(*a*) Resident Medical Officer. This appointment, which will be the second senior of five residents, will be for one year with effect from April 1st, 1938, and renewable for a further twelve months, if approved by the Board of Management. The salary will be £150 per annum, plus board, residence, and laundry, and the duties will include (i) Medical Registrar, and (ii) Resident Pathologist.

(*b*) House Surgeon for six months from May 1st, 1938. Remuneration at the rate of £100 per annum, plus board, residence, and laundry. In addition to his Surgical duties the House Surgeon will have the care of a Maternity unit of 8 beds.

Short-listed candidates selected for interview will be required to meet the Appointments Committee (at the Hospital) on Thursday, March 31st, 1938, at 4.45 P.M. The closing date for receipt of applications (to be submitted on the prescribed form obtainable from the Secretary) is Monday, March 28th, 1938.

R. S. G. HUTCHINGS, Secretary.

Paddington Green Children's Hospital

(Incorporated), London, W.2.

HOUSE PHYSICIAN.
HOUSE SURGEON.

These appointments will become vacant on May 1st, 1938. Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, April 8th, 1938. Salary of each at the rate of £150 per annum, with board and residence.

Candidates who have held a responsible Resident Hospital appointment are preferred. The appointments are for a period of six months. JAMES A. HAMLIN, Secretary.

The London Chest Hospital,

Victoria Park, E.2.

(Bus, Tram, and Rail, Cambridge Heath, L. & N.E. Railway)

A vacancy for a HOUSE PHYSICIAN (Male) will occur on May 1st. Six months' appointment. Salary at the rate of £100 per annum. Board, residence, and laundry provided.

Applications, with copies of testimonials (three), should be sent to the Secretary on or before Saturday, April 2nd.

Royal Free Hospital,

Gray's Inn-road, W.C.1.

Applications are invited from duly qualified and registered Medical Men or Women for the following post:—

RESIDENT CASUALTY OFFICER.

Duties to commence 1st May, 1938, for five months. Salary £150 per annum. Candidates must have held previous resident Hospital appointments.

Application form may be had from the undersigned and should be duly filled in and returned on or before the 9th April, 1938.

RICHARD T. BARTLEY, Secretary.

St. Bartholomew's Hospital.

PART-TIME CHIEF ASSISTANT IN THE X RAY DIAGNOSTIC DEPARTMENT.

Applications are invited for the post of part-time Chief Assistant in the X Ray Diagnostic Department.

Candidates must be registered Medical Practitioners and possess a Diploma in Medical Radiology.

The officer appointed will be required to attend in the Department on four half-days a week.

Appointment will be made for a period to expire at the end of 1938, with eligibility for re-election.

Applications with testimonials (copies only) should be left with the undersigned not later than Monday, 28th March, 1938.

C. C. CARUS-WILSON, Acting Clerk to the Governors.

11th March, 1938.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in July, 1938.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list, and periods of unemployed of half pay are very rare. The assistance of private income is not necessary for the purpose of supplementing official pay and allowances.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1938.

ROYAL ARMY MEDICAL CORPS

Applications are invited from Medical Men for appointment to commissions in the Royal Army Medical Corps.

Candidates will for the present be selected for commissions without competitive examination, and will be required to present themselves in London for physical examination and interview on or about the 22nd April, 1938. They must be registered under the Medical Acts and normally must not be over the age of 28 years.

Successful candidates will in the first instance be given short service commissions for five years. During the 4th year of this period they will be given the opportunity of applying for permanent commissions in either the Royal Army Medical Corps or the Indian Medical Service. Those not selected will retire on completion of 5 years' service with a gratuity of £1000.

Candidates who are successful will, unless they are seconded to complete a hospital appointment, assemble at the Royal Army Medical College, London, on the 2nd May, 1938.

Particulars of the Conditions of Service in the Royal Army Medical Corps, pay and allowances, and forms of application, may be obtained on application, either in writing or personally, to the Assistant Director-General, Army Medical Services, The War Office, London, S.W.1.

London Hospital, E.1.

There is a vacancy for the post of CLINICAL ASSISTANT in the X Ray Department. Candidates must be fully qualified medically. Experience in Radiology is essential. The honorarium of the post is £100 per annum.

Applications, with testimonials, should be sent to the House Governor and should arrive not later than Saturday, April 9th.

ARTHUR G. ELLIOTT, House Governor.

King George Hospital,

ILFORD (Near London). 207 Beds.

HOUSE SURGEON (Male) required for six months from April 19th. Salary at the rate of £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than April 4th.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

Elizabeth Garrett Anderson Hospital,

Euston-road, N.W.1.

OPHTHALMIC DEPARTMENT—OUT-PATIENTS.

Applications are invited from fully qualified medical Women for the post of CLINICAL ASSISTANT. Thursday evening clinic; honorarium £50 per annum.

Further particulars of the post may be obtained from the undersigned, to whom applications, with copies of three testimonials, should be sent not later than 31st March, 1938.

JEAN R. MURRAY, Secretary.

Charing Cross Hospital.

CANCER AND RADIUM REGISTRAR.

The Council invite applications from candidates who must be registered Medical Practitioners (Male) for the post of Cancer and Radium Registrar. Honorarium £100 per annum.

Applications, together with copies of three testimonials, must be submitted not later than first post on Monday, 28th March, 1938. GEORGE J. JONES, Secretary.

Charing Cross Hospital, Strand, W.C.2.

Hospital of St. John and St. Elizabeth,

60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st May, 1938. Salary at the rate of £75 per annum, with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before Friday, 1st April.

F. DUDLEY HOBBS, B.A., Secretary.

The London Lock Hospital,

283, Harrow-road, W.9.

Applications are invited for a RESIDENT MEDICAL OFFICER (Male) to ALL DEPARTMENTS.

Candidates must be doubly qualified and duly registered. The appointment is for six months commencing 1st June; salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous Obstetric experience.

Applications enclosing copies (only) of three recent testimonials must be in the hands of the Secretary by first post on Friday, 29th April, and from whom any further particulars can be obtained.

St. Paul's Hospital for Urological and

SKIN DISEASES, Endell-street, London, W.C.2

Applications are invited for the post of Male HOUSE SURGEON.

Candidates must be qualified and registered. Salary £100 per annum, with board-residence. The appointment is for three months in the first instance, and the holder will later be eligible for the post of Resident Medical Officer.

During his appointment as House Surgeon the duties involve work in the surgical wards and in the out-patient department.

Applications, with copies of recent testimonials, to be submitted not later than April 9th. The successful candidate will be required to take up duty about April 23rd.

J. P. KEY CHISLETT, Secretary.

ROYAL AIR FORCE DENTAL BRANCH

Applications are invited from Dental Surgeons for appointment to COMMISSIONS in the Dental Branch of the Royal Air Force, for entry in May, 1938.

Selected candidates will be appointed to non-permanent commissions for three years which are extendible to six years and in a certain number of cases to ten years.

Candidates must be under twenty-eight years of age and will be selected after interview by a selection board without competitive examination.

Candidates must be of pure European descent. They must be British subjects, the sons of British subjects, and registered under the Dental Acts.

Hospital appointments held since qualifying will, under certain conditions, qualify candidates for antedate of commission up to a maximum of six months; the age on entry may, if necessary, be increased by a period equal to the "antedate."

The grant of permanent commissions to officers holding non-permanent commissions will be by selection, as and when vacancies on the permanent establishment of the Dental Branch occur. Officers not selected for permanent commissions receive gratuity at the following rates, on transferring to Reserve.

On completion of 3 years	£350
On completion of 6 years	£1000
On completion of 10 years	£1500

Copies of the Regulations for entry and conditions of service, including rates of pay and allowances, also form of application, may be obtained on application from The Secretary, Air Ministry (D.M.S.), Adastral House, Kingsway, W.C.2.

Completed applications from intending candidates for the vacancies in May, 1938, must be received in the Air Ministry not later than March 31st, 1938.

National Hospital for Diseases of the

HEART, Westmoreland-street, Marylebone, W.1.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male). The appointment is for a period of six months from May 1st, but may be renewed for a further period not exceeding six months.

Salary at the rate of £150 per annum, with board, residence, and washing.

Candidates, who must be duly registered Medical Practitioners, will not be expected to call on the Hon. Medical Staff, but should send their applications, with copies of three recent testimonials, to me at the Hospital not later than Friday, 8th April. ROBERT G. E. WHITNEY, Secretary.

HOSPITAL FOR SICK CHILDREN, GT. ORMOND ST., LONDON, W.C.1

APPOINTMENTS TO BE MADE PREPARATORY TO THE OCCUPATION OF THE NEW HOSPITAL

A RESIDENT MEDICAL SUPERINTENDENT, who is to be the Senior Resident Officer, is required on the 1st May, 1938. Salary £200 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The duties will include the medical administration of the Hospital and medical supervision of the Nursing and Domestic Staffs.

Candidates must be unmarried, possess a legal qualification to practise and have held a responsible resident appointment at a General Hospital. Special experience in infectious diseases is desirable.

Two HOUSE PHYSICIANS and Two HOUSE SURGEONS are required on the 18th April, 1938.

These appointments are tenable for six months. Salaries at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An OUT-PATIENT AURAL REGISTRAR (part-time) is required on the 1st May, 1938. Salary £175 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

Candidates must possess a legal qualification to practise and have held a responsible resident appointment at a General Hospital.

Candidates for the above appointments must attend at the Hospital to appear before the Joint Committee at 4.45 P.M. on Wednesday, 6th April, 1938. Further particulars and forms of application, which must be completed and returned by noon on Monday, 4th April, 1938, are obtainable from the undersigned.

March, 1938. HERBERT F. RUTHERFORD, Secretary.

The Elizabeth Garrett Anderson HOSPITAL, Euston-road, N.W.1.

The Managing Committee invite applications from fully qualified Medical Women for the appointment of HONORARY ASSISTANT ANÆSTHETIST (honorarium £10 per annum).

Particulars of the duties may be had from the undersigned to whom applications, with copies of three recent testimonials should be sent before 2nd April, 1938.

JEAN R. MURRAY, Secretary.

British Postgraduate Medical School.

Applications are invited for the post of HOUSE SURGEON to commence duty on 1st April, 1938. Salary at the rate of £105 per annum, with board, residence, and laundry.

Applicants should have held previous House appointments.

Applications, with copies of testimonials, should be sent as soon as possible to the Dean, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12.

University of London, University COLLEGE.

FACULTY OF MEDICAL SCIENCES.

An EXAMINATION for the following will be held in MAY next :—

1. BUCKNILL SCHOLARSHIP, value 160 guineas.
2 and 3. TWO EXHIBITIONS, value 55 guineas each.

Intending candidates should apply to the undersigned for particulars and entry forms as early as possible; the entry forms must be returned not later than 22nd April, 1938.

C. O. G. DOUIE, Secretary.

University College, London (Gower-street, W.C.1.)

County Council of Middlesex.

VISITING ANÆSTHETIST.

Applications are invited for the appointment of Visiting Anæsthetist at the COUNTY SANATORIUM, HAREFIELD. Candidates must be Medical Practitioners devoting the whole, or the major part of their time to anæsthetics and must be specially skilled in the administration of anæsthetics by modern methods to patients undergoing thoracic operations.

The officer appointed will be required to attend one session per week, at a fee of £3 3s. per session. The appointment, which does not carry any superannuation rights, will be held during the pleasure of the Council and is terminable by one month's notice on either side.

Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 9th April, 1938. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Visiting Anæsthetist, Harefield."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3,"
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 17th March, 1938.

The Infants Hospital, Vincent-square, Westminster.

Applications are invited for two CLINICAL ASSISTANTSHIPS, tenable for a period of one year. Suitable for D.C.H. Candidates. Fee payable to the Post-Graduate Medical School Fifteen guineas. Applications to be addressed to the Dean.

The Queen's Hospital for Children, Hackney-road, London, E.2.

CASUALTY OFFICER required 1st May, 1938, or earlier. Some Dermatological work additional.

Six months' appointment. Salary at the rate of £100 per year, with board, lodging, and laundry.

Applications must be made on forms to be obtained from the undersigned, and must be sent in, with copies of not more than three testimonials, on or before the 7th April, 1938.

CHARLES H. BESSELL, Secretary.

21st March, 1938.

National Temperance Hospital, Hampstead-road, N.W.1.

Applications are invited for the following post :—

HOUSE SURGEON (Male). Salary £100 per annum, board, residence, and laundry allowance.

The appointment is for a period of six months as from April 1st. Preference will be given to those who have held resident posts. Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Monday, 28th inst., addressed to the Secretary.

Evelina Hospital for Sick Children, Southwark, S.E.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with full board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom particulars can be obtained, immediately.

22nd March, 1938. W. H. SIDNELL, House Governor.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

ASSISTANT MEDICAL OFFICER (Grade I).—Salary £350–£25–£425, with board, lodging, and washing.

(*a*) KING GEORGE V SANATORIUM, near Godalming, Surrey.—Experience in pulmonary tuberculosis desirable.

(*b*) ST. LUKE'S HOSPITAL, Lowestoft, Suffolk.—Experience in non-pulmonary tuberculosis desirable. (No accommodation for a woman.)

ASSISTANT MEDICAL OFFICER (Grade II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(*c*) GROVE PARK HOSPITAL, Lee, S.E.12.—Experience in pulmonary tuberculosis desirable.

(*d*) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh-hill, Greenwich, S.E.10.—Casualty officer, experience in anæsthetics desirable. (Candidates must have held resident appointment in a general hospital for at least six months.)

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 11th April.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Grade I).—Salary £350–£25–£425, with board, lodging, and washing.

(*a*) BETHNAL GREEN HOSPITAL, Cambridge-road, E.2.—Duties mainly surgical.

(*b*) ST. PETER'S HOSPITAL, Fulbourne-street, Whitechapel, E.1. Medical and part surgical duties.

ASSISTANT MEDICAL OFFICERS (Grade II.).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(*c*) FULHAM HOSPITAL, St. Dunstan's-road, Hammersmith, W.6. Duties mainly medical, children, and anæsthetics.

(*d*) HIGHGATE HOSPITAL, Dartmouth Park Hill, N. 19. Duties mainly medical.

(*e*) NORWOOD HOSPITAL FOR CHILDREN, Elder-road, West Norwood, S.E.27. Duties mainly medical. Children's experience desirable. Only women candidates eligible.

(*f*) PRINCESS MARY'S CONVALESCENT HOME, Cliftonville, Margate.—General duties in a female convalescent hospital.

* (*g*) QUEEN MARY'S HOSPITAL, Sidcup, Kent.—General duties in a male convalescent hospital.

(*h*) ST. CHARLES' HOSPITAL, St. Charles'-square, Ladbroke Grove, W.10.—Duties mainly medical. Children's experience desirable.

(*j*) ST. GILES' HOSPITAL, St. Giles'-road, Camberwell, S.E.5.—Duties in children's ward, antenatal clinic, and anæsthetics.

(*k*) ST. PETER'S HOSPITAL, Fulbourne-street, Whitechapel, E.1.—Duties mainly medical.

* No accommodation for a woman.

Application forms obtainable (stamped, addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 4th April.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned position. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

SENIOR ASSISTANT MEDICAL OFFICER (GRADE II).—Salary £500–£25–£600, with board, lodging, and washing.

GROVE PARK HOSPITAL, Lee, S.E.12.—Experience in the treatment of pulmonary tuberculosis essential, administrative experience desirable.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, County Hall, S.E.1, returnable by 4th April, Staff Division, 2B.

Canvassing disqualifies.

Royal London Ophthalmic Hospital (MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the post of OUT-PATIENT OFFICER, to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officer will be appointed for a period of one year and will be eligible for re-appointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 2nd April, 1938.

A. J. M. TARRANT, Secretary.

The Belgrave Hospital for Children
(Incorporated), 1, Clapham-road, S.W.9.

The Committee of Management invite applications for the positions of two HOUSE PHYSICIANS and one HOUSE SURGEON, which will become vacant on April 30th.

Applicants must be fully qualified and registered. The appointments are for six months, with board, residence, and washing provided. Salary at the rate of £100 per annum in each case.

Applications, with copies of testimonials, stating age, to be forwarded on or before Thursday, April 7th.

By order.
THOMAS CLAPHAM, Secretary.

The National Temperance Hospital,
Hampstead-road, London, N.W.1.

Applications are invited for the following post :—

CASUALTY OFFICER (Male). Salary £120 per annum, board, residence, and laundry allowance.

The appointment is for a period of six months as from April 1st. Preference will be given to those who have held resident posts. Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Monday, March 28th, addressed to the Secretary.

County Borough of West Ham.

PLAISTOW FEVER HOSPITAL.
(210 Beds.)

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Male) at the Plaistow Hospital. Salary £300 per annum, together with residence, board, and laundry. The appointment is for one year only. Preference will be given to candidates who have held a resident appointment in a general hospital. Good facilities for post-graduate study are available.

Application forms can be obtained from the Medical Officer of Health, Municipal Health Offices, Romford-road, Stratford, E.15, and should be returned, together with copies of not more than three recent testimonials, to the Town Clerk, Town Hall, West Ham, E.15, not later than 8th April, 1938.

City of York.

ASSISTANT MEDICAL OFFICER OF HEALTH
(Woman).

The York Corporation invite applications for the above post.

The duties will consist chiefly of Maternity and Child Welfare work, and the successful applicant will be provided with board and residence in the Maternity Hospital. She must have had the necessary experience in Antenatal Clinic duties to satisfy the Ministry of Health's requirements and must, therefore, have had post-graduate experience in midwifery. She may be required to perform any other duties as Assistant Medical Officer.

Salary £350 per annum, together with emoluments (board, residence, &c.) valued at £150 per annum.

The appointment is for six months in the first instance.

The Medical Officer of Health is Medical Superintendent of the Hospital, and there is a Consultant Medical Officer.

Applications should be made to the undersigned not later than 9th April, giving name, age, address, qualifications (with dates), and experience. Copies of testimonials or references should also be furnished.

P. R. MCNAUGHT, M.D., D.Sc., D.P.H.,
Medical Officer of Health, and Medical Superintendent, Maternity Hospital.

50, Bootham, York, 22nd March, 1938.

District Infirmary, Ashton-under-Lyne.
(200 Beds.)

RESIDENT SURGICAL OFFICER required about April 19th. Six months' appointment, with possibility of renewal. Salary at the rate of £200 per annum, with the usual residential emoluments.

Applications, with testimonials, to be sent to :—
FRANK OLIVER, General Superintendent and Secretary.

Barrowmore Tuberculosis Sanatorium
AND SETTLEMENT, GT. BARROW,
Near CHESTER.

Male JUNIOR ASSISTANT MEDICAL OFFICER required. Salary £200 per annum, with board, residence, and laundry. The appointment will be made in the first instance for a period of six months, renewable for a further six months, not renewable afterwards.

The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital accommodation, extensive workshops for graduated work, and a Settlement.

Special treatment, Sanocrysin and Artificial Pneumothorax given.

Applications marked "Junior Assistant Medical Officer," with copies of three testimonials, should be sent to the Medical Director at the above address by Wednesday, 6th April, 1938.

Royal Sussex County Hospital,
BRIGHTON.
(Beds 272. Six R.M.O.'s.)

CASUALTY HOUSE SURGEON (Male) required 1st May, 1938. Salary £120 per annum, with board, residence, and laundry.

Candidates must hold Medical and Surgical qualifications of the British Empire, and be duly registered under the Medical Acts.

They must be unmarried, and when elected under thirty years of age.

Applications, with copies of recent testimonials, to be forwarded to the undersigned.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

County Borough of Blackburn.

LADY ASSISTANT MEDICAL OFFICER OF HEALTH and ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from duly registered Women Practitioners for the appointment of Assistant Medical Officer of Health and Assistant School Medical Officer to act under the direction and supervision of the Medical Officer of Health, who is also School Medical Officer.

The maximum salary will be £700 per annum. The commencing salary will not be less than £600 per annum and will be fixed according to the qualifications and experience of the successful applicant, and will rise by annual increments of £25 to the maximum of £700.

The person appointed must have had at least three years' post-graduate experience in the practice of her profession and special experience of Midwifery and Ante-natal work. Special post-graduate experience in the treatment of Venereal Diseases and of Diseases of Children, and the possession of a registrable degree or diploma in Public Health, will be deemed additional qualifications.

Applications to be made on forms to be obtained from the Medical Officer of Health, Victoria-street, Blackburn, and returned to him not later than Wednesday, the 30th March, 1938, endorsed "Assistant Medical Officer of Health."

Canvassing directly or indirectly will be a disqualification.

CHAS. S. ROBINSON, Town Clerk.

Town Hall, Blackburn, 22nd March, 1938.

City of Norwich.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER, &c.

Applications are invited for the post of Assistant Medical Officer of Health and Assistant School Medical Officer to include the duties of Medical Officer with residence at the Isolation Hospital. Salary £600 per annum (including emoluments valued at £150 per annum), rising by annual increments of £25 to £700 per annum. Board allowance at the rate of £60 per annum granted when absent from hospital on leave. The post is designated under the Local Government and Other Officers' Superannuation Act, 1922.

For particulars apply to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications for the post must be received not later than 11th April, 1938.

King Edward VII Hospital, Windsor.
(200 Beds.)

The Board of Management invite applications for the post of HONORARY SURGEON in charge of the EAR, NOSE, AND THROAT DEPARTMENT. Candidates are required to hold a Fellowship or Mastership in Surgery and to be either resident or prepared to reside in the vicinity of Windsor.

Applications to be sent to the Secretary of the Hospital on or before April 2nd, 1938, stating qualifications and experience.

City of Birmingham Education
COMMITTEE.

APPOINTMENT OF TWO ASSISTANT SCHOOL MEDICAL OFFICERS (Male or Female).

Required, to begin duty on 1st September, 1938, two Assistant School Medical Officers (Male or Female). Candidates must have had at least three years' experience in the practice of their profession subsequent to obtaining a registrable qualification. Salary according to "Askwith" Scale (£500 to £700 by annual increments of £25). In fixing commencing salary previous service in Class II of "Askwith" Scale may be taken into account. £10 per annum travelling expenses allowed.

Forms of application (to be returned by Saturday, April 30th), with further information, obtainable from the undersigned on receipt of stamped addressed envelope. Communications should be endorsed "Assistant School Medical Officer." Canvassing will disqualify.

P. D. INNES, Chief Education Officer.

Education Office, Margaret-street, Birmingham, 3.
19th March, 1938.

Stirling District Mental Hospital,
LARBERT.—JUNIOR ASSISTANT MEDICAL OFFICER required (Male). Salary commencing at £300 per annum, with board, lodging, and laundry. Appointment subject to provisions of Asylums Officers' Superannuation Act.

Apply, stating age and experience, with testimonials, to the Medical Superintendent.

City Mental Hospital, Humberstone, LEICESTER.

ASSISTANT MEDICAL OFFICER (Male).

Residential General Hospital experience is desirable. Salary £350, rising by £50 per annum to £450 per annum, together with board, lodging, washing, and attendance, valued for purposes of superannuation at £150 per annum. If the applicant be married he will be permitted to live out, and the salary will commence at £500, rising by £50 per annum to £600. An additional £50 per annum will be paid for possession of a D.P.M.

The appointment is subject to the provisions of the Asylum Officers' Superannuation Act, 1909.

There is a good laboratory and two active Psychiatric Clinics, one attached to the Leicester Royal Infirmary.

Duties will include attendance at a mental deficiency colony.

Applications, giving particulars of experience, &c., together with names of three references—one of which should be non-professional—and marked "A.M.O.," to be sent to the Medical Superintendent before 31st March.

Bedford County Hospital.

Wanted, FIRST HOUSE SURGEON, to take over his duties on April 8th for a term of not less than six months. He must be fully qualified, male, unmarried. Salary £155 per annum, together with board, lodging, and laundry.

Applications, stating age, qualifications, and nationality, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

West Kent General Hospital

(Incorporated),
MAIDSTONE. (135 Beds.)

Applications are invited for the post of HOUSE SURGEON, who must be a Male of British nationality, and unmarried.

Salary at the rate of £175 per annum, with board, apartments, and laundry.

Candidates must possess registered qualifications.

Applications, stating qualifications and experience, together with copies of testimonials, should be sent to the undersigned on or before 31st March, 1938.

The successful candidate will be required to take up residence in early April.

EDWARD J. GREGG, House Governor and Secretary.

Derbyshire County Council.

WOMAN ASSISTANT MATERNITY AND CHILD WELFARE MEDICAL OFFICER.

The Derbyshire County Council require the services of a fully qualified whole-time Woman Assistant Maternity and Child Welfare Medical Officer experience in Ante-Natal work, Midwifery, and Children's Diseases, to hold (under the direction of the County Medical Officer of Health) consultations at the Ante-Natal and Maternity and Child Welfare Centres of the Derbyshire County Council and (under the like direction) to perform such other duties as appertain to the office.

The salary will be £600 per annum, rising by £25 per annum to £700 per annum.

The appointment will be a designated post under the Local Government and Other Officers' Superannuation Act and the successful candidate will be required to pass a medical examination.

Forms of application may be obtained from the undersigned, to whom they must be returned, together with copies of not more than three recent testimonials, not later than 4th April, 1938.

W. M. ASH, County Medical Officer of Health.

New County Offices, St. Mary's Gate, Derby.
10th March, 1938.

Derbyshire Royal Infirmary, Derby.

(General Hospital. 362 Beds.)

Applications are invited for the post of HOUSE SURGEON FOR EAR, THROAT AND NOSE DEPARTMENT, who must be a male of British nationality and unmarried.

Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c.

Applications, with copies of testimonials, to be sent to the undersigned.

State earliest date duties could be commenced.

ARTHUR TAYLOR, Superintendent and Secretary.

Lancashire County Council.

BIDDULPH GRANGE ORTHOPÆDIC HOSPITAL.

Applications are invited from duly qualified and registered Medical Practitioners for the post of ASSISTANT VISITING ORTHOPÆDIC SURGEON at the above Hospital, which contains 88 beds. Salary is at the rate of £250 per annum.

Candidates must have had special training and experience in orthopædic surgery, and must possess the diploma of F.R.C.S. (Eng.). The successful candidate will be required to visit the hospital twice weekly. The appointment will be for a period of three years, terminable by one calendar month's notice on either side.

Applications, with copies of two recent testimonials, should be sent not later than 2nd April, 1938, to Dr. F. Hall, School Medical and Child Welfare Department, County Offices, Preston. GEORGE ETHERTON, Clerk of the County Council.

University of Oxford.

LORD NUFFIELD'S BENEFACTION FOR THE ADVANCEMENT OF MEDICINE.

FIRST ASSISTANT IN THE DEPARTMENT OF CLINICAL MEDICINE.

Applications are invited for the whole-time post of First Assistant in the Department of Clinical Medicine.

The successful candidate will be required to assist the Nuffield Professor of Clinical Medicine in the wards and out-patient department at the Radcliffe Infirmary and to carry out research work in the Department of Clinical Medicine. The appointment is for two years in the first instance, but will be renewable thereafter annually for not more than three further years. The initial salary is £600 a year.

Candidates, who must hold a medical qualification registrable in Great Britain, are requested to send ten copies of their applications and of not more than three recent testimonials to the Secretary of Faculties, University Registry, Oxford, so as to reach him not later than Saturday, 16th April, 1938.

Princess Alice Hospital, Eastbourne.

(Voluntary General Hospital, 120 Beds. Two House Surgeons.)

RESIDENT HOUSE SURGEON (Male) required on 9th April, 1938. Salary at the rate of £150 per annum, with board and laundry.

Applications from registered Practitioners, accompanied by copies of three recent testimonials, should be delivered to the undersigned by the first post on Wednesday, 30th March, 1938.

9th March, 1938. W. RUSSELL RUDALL, Secretary.

Ancoats Hospital, Manchester, 4.

RESIDENT SURGICAL OFFICER.

Applications are invited for the above post.

The appointment is for twelve months. Salary £200 per annum, with board, apartments, laundry, &c.

Candidates holding the F.R.C.S. Diploma will be preferred.

Applications, stating age, qualifications, and experience, with copies of three recent testimonials, to be forwarded to the undersigned on or before the 30th March next.

By order of the Board.

HERBERT J. DAFFORNE, General Supt. and Secretary.

The Royal Infirmary, Bradford.

FIVE HOUSE SURGEONS (Males) wanted for 1st May. Six months' appointments.

Candidates must be single and legally qualified.

Salary £150 per annum, with board, residence, and washing.

There are 345 beds and 10 Resident Officers.

Applications, stating age, qualifications, and previous experience, with copies of recent testimonials, should be sent to the undersigned by 2nd April.

H. TRUSSON, House Governor and Secretary.

11th March, 1938.

Manchester Royal Eye Hospital.

HOUSE SURGEON required. Salary £120 per annum, with residence, board, &c.

Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management.

H. R. NORTH, General Superintendent and Secretary.

Manchester Royal Infirmary.

MEDICAL OFFICER TO OUT-PATIENTS.

The Board of Management invite applications from registered Medical Practitioners for the above appointment.

The duties are to assist in the treatment of Medical Out-patients on three mornings a week from 9 o'clock. The appointment is for one year. Salary £105 per annum.

Candidates must state age and send fifteen copies of their application and testimonials to the undersigned on or before 9 A.M. on Thursday, 31st March, 1938.

By order.

A. L. M. YOUNG, Assistant Secretary.

14th March, 1938.

County Borough of Huddersfield.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from registered Medical Practitioners (Ladies) who have had special experience in ante-natal work and in the care of infants. Salary £500–£25–£700, initial salary according to experience.

The post will be designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.

Applications, stating age, full particulars regarding training, qualifications, and appointments held since qualification, should be forwarded to the Medical Officer of Health, Public Health Department, Huddersfield, along with copies of two recent testimonials, so as to reach him not later than Friday, April 1st, 1938. SAMUEL PROCTER, Town Clerk.

Town Hall, Huddersfield, March, 1938.

Hull Royal Infirmary.

Applications are invited for the post of SECOND HOUSE PHYSICIAN (Male) vacant April 30th.

Salary at the rate of £150 per annum, plus board, residence, and laundry.

The post is recognised by the University of London for the M.D. Branch 1 (Medicine) Examination.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned. R. J. CARLESS, House Governor.

14th March, 1938.

General Infirmary, Salisbury.

(Voluntary Hospital, 200 Beds, now in course of extension to 215 Beds.)

HOUSE SURGEON (Male) required to commence duty at once.

The appointment is for six months, with the right of applying for re-appointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered. The Hospital is recognised under F.R.C.S. regulations.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

Salop County Council.

MEDICAL INSPECTION OF SCHOOL CHILDREN AND MATERNITY AND CHILD WELFARE SCHEMES.

ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Assistant Medical Officer to work under the above schemes, at a commencing salary according to experience—scale £500 per annum, rising by annual increments of £25 to a maximum of £700 (with travelling and out-of-pocket expenses) subject to a deduction of 5 per cent. for superannuation under the Local Government and Other Officers' Superannuation Act, 1922. The successful candidate will be required to pass a medical examination.

Preference will be given to candidates with a Public Health qualification, and experience in refraction work is desirable.

Applications, accompanied by a copy of three recent testimonials, should be received not later than 13th April, 1938, by the County Medical Officer, County Health Offices, Shrewsbury, from whom the necessary forms and conditions of service can be obtained.

W. L. EDGE, Clerk of the Council.

Shirehall, Shrewsbury, 14th March, 1938.

Royal Hospital, Richmond, Surrey.

Applications are invited immediately for the following post:—

JUNIOR HOUSE SURGEON (Male). £100 per annum.

Board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. Form of application can be obtained from the undersigned.

G. M. EDEN, Secretary-Superintendent.

King Edward Memorial Hospital,

EALING.

(145 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to act in the Eye, Gynæcological and Ear, Nose, and Throat Departments. Six months' appointment from 1st May, 1938, with possibility of re-election for a further period. Salary £150 per annum, with the usual residential emoluments.

Applications, stating age, experience, and qualifications and accompanied by copies of two recent testimonials, to be sent to the undersigned not later than Tuesday, 5th April, 1938.

R. A. MICKELWRIGHT, House Governor.

City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for a Whole-time Male Assistant Medical Officer of Health. Age not exceeding forty years. Salary £500 per annum, rising by annual increments of £50 to £700. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922. The Diploma of Public Health is essential.

Candidates having experience in refraction work, and who are recognised by the Board of Education as Certifying Officers under Section 55 of the Education Act, 1921, and Section 31 of the Mental Deficiency Act, 1913, will be given special consideration.

Particulars of the duties of the Assistant Medical Officer may be obtained from the undersigned.

Applications, which must be on the form provided for this purpose, should be accompanied by not more than three recent testimonials, and must be received by the undersigned not later than Saturday, 2nd April, 1938. Envelopes should be endorsed "Assistant Medical Officer of Health."

Canvassing will disqualify.

JOSIAH GREEN, Town Clerk.

Council House, Bristol, 1, 15th March, 1938.

Hove General Hospital, Hove.

(53 Beds.)

Applications are invited for the appointment of JUNIOR RESIDENT MEDICAL OFFICER (Male). Salary £120 per annum, with board, apartments, and laundry. The successful applicant will, if suitable, be eligible to apply for the senior post which becomes vacant six months later.

Applications, stating age and qualifications, together with three recent testimonials, to be forwarded to the undersigned.

K. C. BOOKER, Secretary-Superintendent.

Lancashire County Council,

PUBLIC ASSISTANCE COMMITTEE.

LAKE HOSPITAL AND DARNTON HOUSE INSTITUTION, ASHTON-UNDER-LYNE, Near MANCHESTER.

(1) APPOINTMENT OF SENIOR RESIDENT MEDICAL OFFICER.

Salary £250 per annum, together with the usual residential emoluments.

The person appointed will be required to take up duty on the 1st June, 1938.

(2) APPOINTMENT OF JUNIOR RESIDENT MEDICAL OFFICER.

Salary £225 per annum, together with the usual residential emoluments.

The person appointed will be required to take up duty on the 2nd May, 1938.

Applications are invited from registered Medical Practitioners for the above appointments at the Lake Hospital and Darnton House Institution, Ashton-under-Lyne, comprising 300 and 525 beds respectively.

The Hospital is recognised as a complete Training School for Nurses.

Candidates must be unmarried. Preference will be given to candidates having previous hospital experience, especially in midwifery, and in the administration of anæsthetics.

The appointments will, in the first instance, be for a period of six months, the successful candidates being eligible for reappointment for a further period of six months at the end of that period.

Forms of application may be obtained from the County Medical Officer of Health, Public Assistance (Hospital and Medical) Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded not later than Friday, 1st April, 1938. GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 14th March, 1938.

Burslem, Haywood, and Tunstall War

MEMORIAL HOSPITAL, High-lane, TUNSTALL, STOKE-ON-TRENT.

(66 Beds. Approved Training School for Nurses.)

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £175 per annum, with board, residence, and laundry.

The appointment is for six months in the first instance; reappointment may be applied for. Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

The Chester Royal Infirmary.

(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to take up duty as soon as possible. Salary £150 per annum, with board, lodging, and laundry. Duties will include work in the Orthopædic Department and Fracture Clinic. The appointment is approved in connexion with the M.S. (London University) and F.R.C.S. (Eng.) Examinations. Application list closes 8th April.

Application forms may be obtained from:—

W. H. GRACE, M.D., M.R.C.P.

16th March, 1938. Hon. Secretary, Medical Committee.

Portsmouth Education Committee.

SCHOOL MEDICAL SERVICE.

The Committee invite applications from fully qualified candidates for the appointment of a Male ASSISTANT MEDICAL OFFICER OF HEALTH and ASSISTANT SCHOOL MEDICAL OFFICER.

Salary £500–£25–£700 per annum. Experience in Refraction, Orthopædics, Mental Deficiency, Diseases of the Ear, Nose, and Throat, or any other branch of the work will be deemed a recommendation. D.P.H. an advantage.

The selected candidate will be required to pass a medical examination and contribute to the Council's Superannuation Scheme.

Forms of application obtainable from the Chief Clerk, Education Offices, Guildhall, Portsmouth, and should be returned not later than the first post on 6th April, 1938, to the undersigned.

Canvassing in any form will disqualify.

F. J. SPARKS,

Town Clerk and Clerk to the Education Committee.

Guildhall, Portsmouth, 17th March, 1938.

City and Royal Burgh of Edinburgh.

PUBLIC HEALTH DEPARTMENT.

ASSISTANT MEDICAL OFFICER required for GOGARBURN CERTIFIED INSTITUTION (563 Beds), CORSTORPHINE, EDINBURGH. Salary at the rate of £300 per annum, rising by annual increments of £10 to £350, plus board and lodging. For superannuation purposes the holder of the position will come under the Asylums and Certified Institutions (Officers Pensions) Act, 1918.

Applications should be addressed not later than 1st April, 1938, to the Medical Officer of Health, Johnston-terrace Edinburgh. D. ROBERTSON, Town Clerk.

Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS.
(155 Beds. Two Residents.)

Applications are invited for the post of HOUSE SURGEON (Male). Salary is at the rate of £200 per annum, with board, residence, and laundry. Duties commence on 1st May, the appointment being for six months in the first instance.

Applications, stating age, qualifications, and experience, with copies of testimonials, should be received by the Secretary not later than 4th April.

Princess Elizabeth Orthopædic

HOSPITAL, EXETER.

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months commencing May, with the option of extension for a period not exceeding a further six months.

Applications, stating age and experience with copies of three recent testimonials, to be sent to :—

P. MELHUISH, Secretary.

West Riding of Yorkshire Mental

HOSPITALS BOARD.

WADSLEY MENTAL HOSPITAL, NEAR SHEFFIELD.

APPOINTMENT OF AN ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of an Assistant Medical Officer in the Board's service at the above Mental Hospital, at a commencing salary of £350 per annum, rising by annual increments of £25 to a maximum of £450, together with emoluments (board, apartments, and laundry) valued at £120 per annum. The Board will allow an extra £50 per annum to the successful candidate who (whilst on this scale) holds or obtains the Diploma in Psychological Medicine, for which this Hospital affords special study facilities.

It will be an advantage if candidates have had at least one year's experience in General Medicine after qualification.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, Class 1.

Applications, with copies of not more than two recent testimonials, stating age and full particulars, to reach the Medica Superintendent, West Riding Mental Hospital, Wadsley' Sheffield, 6, not later than 11th April, 1938.

There is no printed form of application.

G. L. BANNER, Clerk of the Board.

Board Offices, Wakefield, March, 1938.

City of Nottingham.

ASSISTANT MEDICAL OFFICER FOR MATERNITY AND CHILD WELFARE WORK.

Applications are invited for the above post from Women Medical Graduates experienced in Practical Midwifery and Antenatal and Infant welfare work.

The duties will be chiefly in the Ante-natal and Infant welfare clinics under the administrative control of the Medical Officer of Health.

Salary £500, rising by annual increments of £25 to £700. The salary is subject to deductions under the Superannuation Scheme of the Corporation. The successful candidate will be required to submit to a medical examination and to reside within the City of Nottingham.

The appointment will be subject to one month's notice on either side.

Application forms may be obtained from the undersigned and must be returned to me not later than April 18th, 1938.

Canvassing will be a disqualification.

J. E. RICHARDS, Town Clerk.

Guildhall, Nottingham, 18th March, 1938.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £175 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be forwarded on or before the 11th April.

J. KENYON, Secretary.

St. Paul's Eye Hospital, Liverpool.

HOUSE SURGEON required 1st May. Six months' appointment. Salary £145 per annum, with board, residence, &c.

Applications, with copies of testimonials, should be sent to the Secretary on or before 16th April, 1938.

The Guest Hospital, Dudley.

(General Hospital. 135 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

HOUSE SURGEON (Male) required. Commence duty on May 2nd. Salary at the rate of £100–£130, according to experience, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST,
House Governor and Secretary.

18th March, 1938.

County Borough of Wolverhampton.

NEW CROSS HOSPITAL.
(350 Beds.)

ASSISTANT MEDICAL OFFICER (RESIDENT).

Applications are invited for appointment as Assistant Medical Officer at the above Hospital, which contains Medical, Surgical, Maternity, Children's and Isolation Departments, and is modernly equipped.

Candidates must be unmarried.

Experience in anæsthetics, a knowledge of Clinical Pathology and previous Hospital experience will be deemed additional assets.

Salary will be at the rate of £200 per annum, with apartments, board, attendance, &c.

The appointment will be limited to a term not exceeding one year.

Further information as to the duties, &c., may be obtained from the Medical Officer of the Hospital.

Applications, stating age, qualifications, and nationality, together with copies of recent testimonials, should be addressed to : A. G. ALDRIDGE, Public Assistance Officer.

Stafford-street, Wolverhampton.

Birmingham and Midland Eye

HOSPITAL.
(114 Beds.)

Applications are invited from duly qualified Medical Practitioners for the post of HOUSE SURGEON at the above Hospital which becomes vacant on April 30th next.

Salary £130 per annum (rising to £150 at the end of six months' satisfactory service), and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

Applications, with testimonials and evidence of registration, should be forwarded immediately to the undersigned.

J. W. PEARCE, General Superintendent.

Church-street, Birmingham, 3.

Nottingham General Hospital.

(389 Beds.)

A HOUSE PHYSICIAN (Male) is required at the above Institution. The appointment is for six months with salary at the rate of £150 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned at once.

Duties to commence on or about April 1st, 1938.

PETER M. MACCOLL, House Governor and Secretary.

Devonshire Royal Hospital, Buxton,

DERBYSHIRE. (300 Beds.)

(A National Hospital for Rheumatism and Allied Diseases.)

RESIDENT MEDICAL OFFICER (Male), salary £200 per annum, or HOUSE PHYSICIAN (Male), salary £150, rising to £175 after three months' service (and prospects of promotion to Resident Medical Officer), with board-residence and laundry.

Candidates must be fully qualified and registered.

The appointments are for a minimum period of six months, and may be extended for a further period of six months.

Applications, endorsed "Medical Appointments," stating age, experience, and qualifications, and whether application is made for one or either post, together with copies of three recent testimonials, must be forwarded without delay to the undersigned, from whom any further particulars may be obtained.

Considerable Orthopædic experience is available, and the appointments offer special facilities for gentlemen preparing a thesis or wishing to undertake special work, as the Hospital contains all the necessary laboratory and other facilities for research.

Canvassing will disqualify.

By Order of the Committee of Management,

A. PRESTON TURNER,
General Superintendent and Secretary.

York County Hospital.

(204 Beds.)

Applications are invited for the post of HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than 9 A.M. on Wednesday, 30th March, 1938.

J. R. MACKRILL, Secretary.

Bristol Eye Hospital.

80 Beds. (12 Private Patients.)
1937: 1017 In-patients. 17,794 Out-patients.

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £100 per annum. Senior post available after six months. Vacant 14th April, 1938.

Suitable experience for D.O.M.S. Applications, stating age and qualifications, &c., with three recent testimonials, to reach the undersigned by April 8th.

D. M. BABER, Secretary and House Governor.

East Suffolk and Ipswich Hospital.

(350 Beds. 8 Residents.)

Wanted, 1st April, CASUALTY OFFICER (British—Male). Salary at the rate of £144 per annum, with board, apartments, and laundry.

Applications, together with copies of three recent testimonials, to be sent to the undersigned immediately.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 19th March, 1938.

County Borough of Bolton.

RESIDENT ASSISTANT MEDICAL OFFICER
BOROUGH ISOLATION HOSPITAL
(REVISED ADVERTISEMENT)

Applications are invited from duly qualified Medical Men for the position of Resident Assistant Medical Officer.

Candidates must have held resident hospital appointments and have had experience in the treatment of infectious diseases. The duties will include the medical care of patients in the Isolation Hospital and assisting the Male Venereal Diseases Officer in his work.

The person appointed will be required to reside at the Isolation Hospital. The salary will be £450 per annum, together with board and residence valued at £150 per annum. Married quarters are not available. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the selected candidate passing a medical examination.

Forms of application with particulars of the duties may be obtained from the Medical Officer of Health, Howell Croft North, Bolton, and completed applications, with copies of three recent testimonials, should be sent to the undersigned not later than the 5th April, 1938. Canvassing, either directly or indirectly, will be a disqualification.

HAROLD B. ASHFORD, Town Clerk.

Town Hall, Bolton, 19th March, 1938.

Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS.
(155 Beds.)

Applications are invited for the post of SURGICAL REGISTRAR.

The appointment is for twelve months in the first instance, and is full-time and non-resident. The salary is at the rate of £450 per annum and as the duties will include attendance at the affiliated Out-patient Clinics £25 will be allowed for travelling expenses. Applicants should have had experience in Orthopædic Surgery.

Applications, stating age, qualifications, and date when available to commence duties should be forwarded, together with copies of testimonials, to the Secretary by April 4th.

City of Plymouth.

MEDICAL OFFICER OF HEALTH'S DEPARTMENT.

THE CITY ISOLATION HOSPITAL.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (unmarried, Male) for the above appointment, which is for a period of twelve months, terminable by one month's notice on either side.

The salary will be at the rate of £300 per annum, with full residential emoluments, and any fees received by the officer must be refunded to the Council.

The successful candidate will be required to work under the direction of the Medical Superintendent and will devote the whole of his time to official duties, which will consist mainly of work in the hospital and assisting at certain venereal disease clinics.

In addition to the above he will be required to perform any other duties allotted to him from time to time by the Medical Officer of Health.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must reach the undersigned not later than Tuesday, 12th April, 1938.

T. PEIRSON, Medical Officer of Health.

Town Hall, Stonehouse, Plymouth.

City of Liverpool.

CITY BACTERIOLOGIST'S DEPARTMENT.

Applications are invited for a Temporary JUNIOR ASSISTANT BACTERIOLOGIST in the above Department. The appointment will be for one year. Candidates will be required to possess a registrable medical qualification and evidence of special bacteriological training is desirable. The salary will be at the rate of £400 per annum. The person appointed will be required to devote the whole of his time to the work of the department.

Applications, accompanied by copies of three recent testimonials, together with details of training, experience, and research work, should be addressed to the Town Clerk, Municipal Buildings, Dale-street, Liverpool, 2, endorsed "Temporary Junior Bacteriologist" and be delivered not later than 9th April, 1938.

Canvassing of members of the City Council will be regarded as a disqualification.

W. H. BAINES, Town Clerk.

21st March, 1938.

Mapperley Hospital, Nottingham.

LOCUM TENENS MEDICAL OFFICER (Male, single) required 1st April. Salary seven guineas per week, all found.

Applications immediately to the Medical Superintendent, Mapperley Hospital, Nottingham.

Worcester Royal Infirmary.

(165 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON.

Salary at the rate of £120 per annum, with board, residence, and laundry.

Applications, stating full particulars as to age, whether married or single, qualifications, &c., and accompanied by copies of three recent testimonials, should be sent to the undersigned by 2nd April, 1938.

A. R. WISE, Superintendent-Secretary.

Holland (Lincs) County Council.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified and registered Medical Practitioners holding the Diploma in Public Health, or an equivalent qualification, for the post of Assistant Medical Officer of Health (Male). Candidates must not exceed forty years of age.

The person appointed, who must have had post-graduate experience in radiology and in the diagnosis and treatment of tuberculosis, will be required to carry out all the duties assigned to him by the County Medical Officer, under whose direction and supervision he will act. He will not be allowed to engage in private practice.

The salary will be £600 per annum, rising by increments of £25 per annum to £750, together with travelling expenses according to the Council's scale.

The appointment will be a designated post under the Local Government and Other Officers' Superannuation Act, and the successful candidate will be required to pass a medical examination.

The appointment will be determinable by three months' notice on either side.

Forms of application may be obtained from the County Medical Officer, County Hall, Boston, by whom they must be received, together with copies of three recent testimonials, not later than 10 A.M. on April 11th, 1938.

H. C. MARRIS, Clerk of the County Council.

County Hall, Boston, 21st March, 1938.

Royal Buckinghamshire Hospital,

AYLESBURY. (120 Beds.)

Applications are invited for the following posts:—

(i) SENIOR RESIDENT MEDICAL OFFICER. Salary £200 per annum;

(ii) JUNIOR RESIDENT MEDICAL OFFICER. Salary £150 per annum.

Board, residence, and laundry provided.

Candidates must be fully qualified and registered. Previous experience in hospital appointment desirable, as well as in administration of Anæsthetics.

Senior appointment vacant 1st May, and Junior appointment vacant about 1st August, each for six months and renewable.

Junior eligible to fill Senior post when vacant.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned by 30th March, 1938.

F. G. DAWES, Secretary.

Swansea General and Eye Hospital.

(336 Beds.)

HOUSE PHYSICIAN wanted, Gentleman. Single. Salary £150 per annum, with board, residence, and laundry. Appointment for six months. Duties to commence early April.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

City of Leeds.

PUBLIC HEALTH DEPARTMENT.

ST. JAMES'S HOSPITAL.
(1330 Beds.)

Required, HOUSE PHYSICIANS and HOUSE SURGEONS (Male) for the above Hospital. The appointments are for six months, but may be renewed for a further six months only.

Salary £150 per annum, with board, residence, and laundry.

Candidates must be qualified, registered, and unmarried.

Applications, stating age, qualifications, &c., together with copies of three recent testimonials, to be forwarded to Dr. J. JOHNSTONE JERVIS, Medical Officer of Health, 12, Market-buildings, Vicar-lane, Leeds, 1, not later than 10 A.M. on the 2nd April, 1938.

Canvassing in any form, either directly or indirectly, will be a disqualification.

Royal Surrey County Hospital,

GUILDFORD.
(216 Beds.)

WANTED 1ST MAY, 1938, RESIDENT SURGICAL OFFICER (Male).

Twelve months' appointment: recognised for F.R.C.S. Salary £250 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than 8th April, 1938.

City of Leicester.

RESIDENT MEDICAL OFFICER.

The Health Committee of the City of Leicester invite applications for the position of Resident Medical Officer (Male) at their CITY GENERAL HOSPITAL for a period of six months, renewable, if satisfactory, for a further six months. The successful candidate will be required to commence as soon as possible. Preference will be given to those with, or reading for, higher qualifications.

The Hospital is a modern building with 550 beds, four Resident Medical Officers and one Deputy Medical Superintendent. The work that will be required of this Resident Medical Officer will be chiefly medical; there may, however, be some general Surgical work. Salary £300 per annum, together with full residential emoluments.

Further particulars of the appointment may be obtained from the undersigned, and applications (on forms supplied) accompanied by copies of three recent testimonials, must be received not later than 4th April, endorsed "R.M.O." addressed to the undersigned.

E. K. MACDONALD, Medical Officer of Health.
Health Department, Grey Friars, Leicester.

Dorset County Hospital, Dorchester.

APPOINTMENT OF HOUSE SURGEON.

The Committee of Management are open to receive applications for the position of House Surgeon (Male only) to take up his duties on 14th May, 1938.

Every candidate must be unmarried and possess a registered qualification to practise medicine and surgery from some recognised body in Great Britain or Ireland. Salary £150 per annum, with board and lodging. The appointment is for a period of six months. All applications, accompanied by copies of three recent testimonials, should be sent to the Secretary, Dorset County Hospital, as early as possible.

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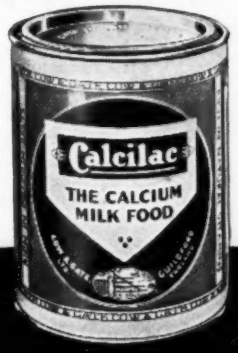

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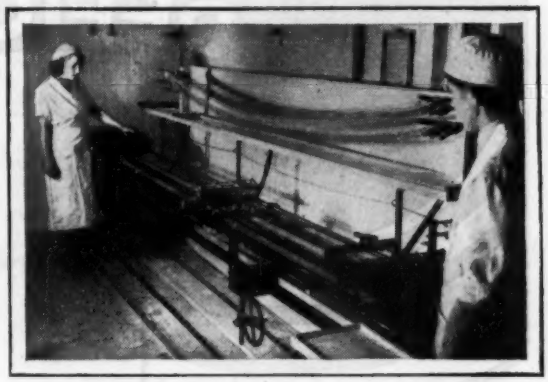

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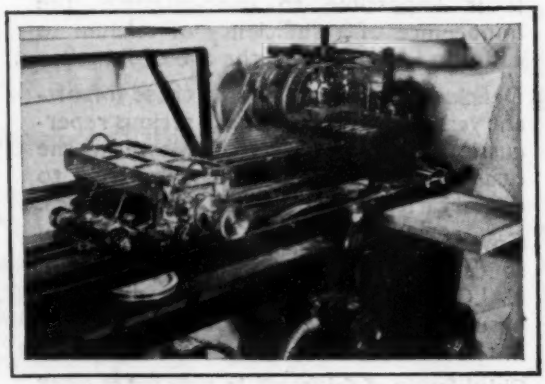

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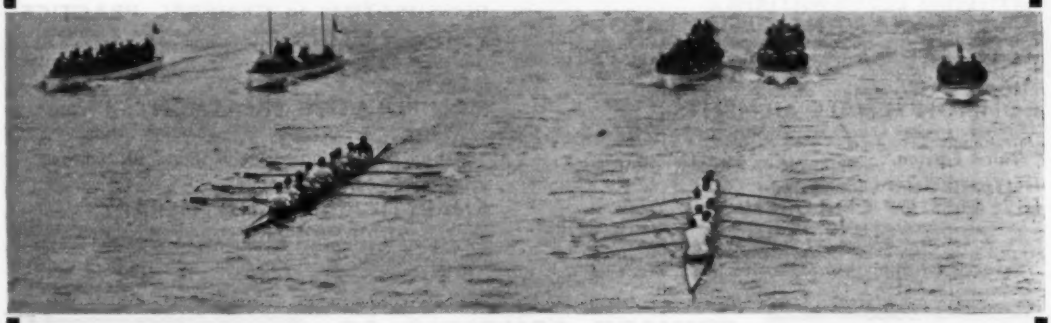

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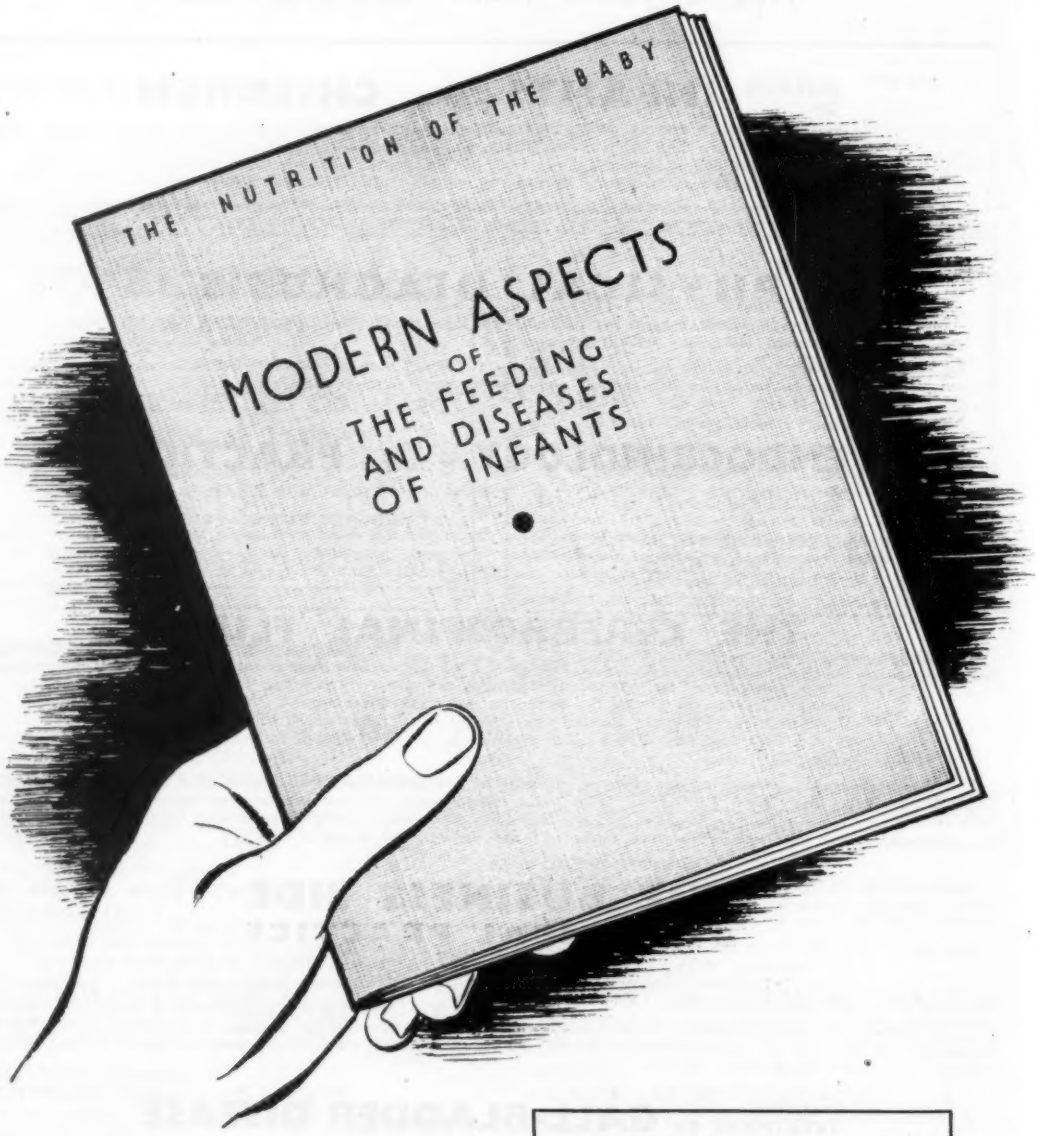

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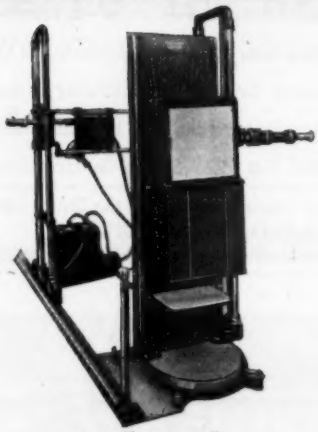

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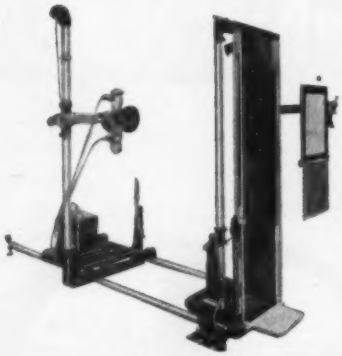

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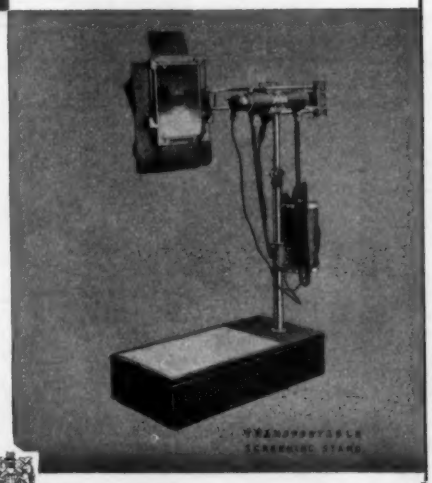

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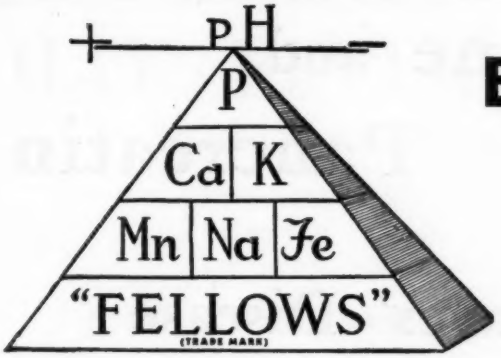

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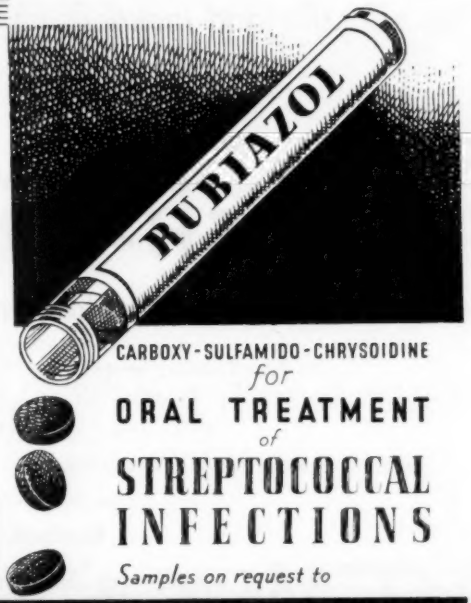

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ROUSSEL LABORATORIES LTD
36 CAVENDISH SQUARE, LONDON, W.1
Telephone: MAYFAIR 8695

RADIO-MALT

(Standardised Vitamins A B_1 B_2 and D)

For routine administration

As a prophylactic against seasonal ailments

For building up and maintaining reserves in times of stress

As a general tonic after illness

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THE BRITISH DRUG HOUSES LTD.
LONDON N.1

KM/S/350

The effective and inexpensive treatment of

HAY FEVER

with

"BRITISH-GRASS-POLLEN"

should commence NOW

A Practitioner writes :— "A patient of mine who suffered with HAY FEVER for 10 years without relief was completely free this year for the first time after the course which you sent." ..... M.B., B.S., M.R.C.S., L.R.C.P.

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Scratch test set - - 2/6

12 x 1 cc. graduated ampoules, *Weak* 9/-
Medium 13/6
Strong 18/- net

The Laboratories of :—

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MAGSORBENT

REG. TRADE MARK

THE ORIGINAL AND STANDARD BRAND OF SYNTHETIC HYDRATED MAGNESIUM TRISILICATE

The safe and effective **ANTACID** for the treatment of CHRONIC PEPTIC ULCER, HYPERCHLORHYDRIC DYSPEPSIA and ACID FERMENTATION.

- ACIDITY—COMPLETE CONTROL
- NEUTRALISATION—SUSTAINED
- NO TOXIC ALKALOSIS
- CORRECT PHYSICO-CHEMICAL CONSTITUTION

The REDUCED PRICES of MAGSORBENT POWDER are as follows : 2 oz. 1/6 ; 5 oz. 3/- ; 16 oz. 8/9 ; 3 lbs. 23/-

TABLETS : 65–2/4 ; 250–7/9 ; 600–15/-.

Manufactured only by :

KAYLENE, LTD, Waterloo Road, LONDON, N.W.2
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HEPATEX WITH IRON

A combination of Hepatex with a readily assimilated form of iron

Recommended for **secondary anæmia, chlorosis, etc.,** when powerful stimulation of the blood regenerating organs is desirable. It also forms a useful maintenance treatment in pernicious anæmia and provides an additional stimulus in cases which show a relapse owing to inadequate dosage of liver.

Hepatex with Iron is of great value in the anæmias of pregnancy and those which may follow either acute or chronic hæmorrhage.

One fluid drachm contains the hæmopoietic principle of two ounces of fresh liver with one grain of iron and a trace of copper.

DOSE: One or two teaspoonfuls per day will be found sufficient in the majority of cases.

Issued in 2-oz. bottles, 8/6 each.

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Manufacturers of Fine Chemical, Pharmaceutical & Biological Products

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Digitalin Granules "A. & H."

Physiologically Standardized

Digitalin Granules, "A. & H.," a British preparation, consist of the *Digitaline cristalisée* of the French Pharmacopœia. This substance is the most active principle of digitalis leaves, and, because of its reputation for uniform activity, it has long been popular particularly on the Continent. Its use is recommended by high authority in cases where galenical preparations of digitalis have failed.

In Two Strengths:

gr. 1/120 (1/2 mg.) in tubes of 40, 3/6, and 100, 7/3
In bottles of 250 for dispensing, 17/-

gr. 1/60 (1/10 m.g.) in tubes of 40, 1/9, and 100, 4/-
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Subject to the usual professional discount.

Descriptive literature and clinical trial sample will be sent post free on application.

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FEMALE
AMENORRHŒAS
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MALE
HYPOGONADISM
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CHILD
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GONADOTROPIC HORMONE
FROM THE SERUM OF PREGNANT MARES

FOLLICLE STIMULATING HORMONE

Physiological stimulator of the secretions of Ovarian and Testicular Hormones

Ampoules for subcutaneous injections—Biological standardisation—40 Eraus Units (160 Mouse Units approximately)

Box of { 6 Ampoules of Gonadotropic Hormone
6 Ampoules of Solvent

LITERATURE ON APPLICATION TO

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ACRIFLAVINE CREAM

Burnol is a surgical dressing of very wide utility presented in a convenient form — non-toxic and highly antiseptic.
Burnol is readily applied on gauze or lint. The old dressings are easily and painlessly removed, leaving the healthy granulation tissues undamaged.

PER TUBE 1/-
DISCOUNT TO THE MEDICAL PROFESSION

Full size trial sample to any medical practitioner in Great Britain on application to BOOTS THE CHEMISTS, STATION STREET, NOTTINGHAM.

OBTAINABLE FROM ALL BRANCHES OF

The Boots Chemists

OVER 1150 BRANCHES
THROUGHOUT GREAT BRITAIN

TRADE MARK **'SECONAL'** BRAND

SODIUM PROPYL-METHYL-CARBINYL ALLYL BARBITURATE

A Rapidly Effective and Short-Acting Barbiturate for Dependable Sedation and Hypnosis

'Seconal' will be found exceptionally useful for medical indications or before surgical procedures where a comparatively rapid and brief-acting hypnotic or sedative is required.

The effects of therapeutic doses of 'Seconal' appear quickly and are relatively profound.

The hypnosis is easily controlled and the management of the patient is simplified.

Recovery from hypnosis is prompt and unaccompanied by disturbing after effects.

'Seconal' is supplied in 1 1/2-grain 'Pulvules' brand filled capsules.

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DURING PREGNANCY AND LACTATION

KALZANA

IS A MOST VALUABLE ADJUVANT

Kalzana is the double salt of Calcium-Sodium-Lactate which ensures perfect Calcium retention by the tissues. It regulates Calcium metabolism, and the bones of both mother and child are strengthened and the teeth protected from decay. Kalzana is a most valuable addition to the diet of the expectant and nursing mother and also to that of the growing child.

Kalzana is dispensed by chemists in packages containing 50 and 100 plain tablets. Also direct from us for your own dispensing at 15/- per 1000 (plain tablets). In powder form at 7/- per lb. (These prices do not apply in Eire.)

SAMPLES AND LITERATURE WILL GLADLY BE SENT ON REQUEST TO:

THERAPEUTIC PRODUCTS LTD. (Dept. L.29,) AINTREE RD., PERIVALE, GREENFORD, MIDDX.

CODOFORME
BOTOL

A SAFE AND INSTANTANEOUS **COUGH** SEDATIVE IN TABLET FORM

(Spasmodic, laryngeal, post-influenzal and whooping coughs)

In 20's and 250's

Samples and literature on request

ADULTS:- 3-5 TABLETS DAILY

CHILDREN:- 2 TABLETS DAILY

CONTINENTAL LABORATORIES LTD

30 Marsham Street, LONDON S.W.1.

Vic. 2041 Taxolabs, Sowest, London

SUPERSAN

a safe, non-poisonous, and non-irritant antiseptic for all purposes

SUPERSAN is a new antiseptic having six times the potency of pure carbolic acid as tested by the Rideal Walker method. SUPERSAN retains its activity when intimately mixed with blood and serum, thus permitting adequate disinfection of wounds without injury to the tissues, and acting as an efficient antiseptic when it is most needed. SUPERSAN is especially suitable for sterilising the skin and for use in midwifery and surgery.

PER 4 oz. BOTTLE 10½d.

(Discount to the Medical Profession)

OBTAINABLE THROUGH ANY BRANCH OF The Boots Chemists

FULL SIZE TRIAL SAMPLE SENT ON REQUEST

WHOLESALE AND EXPORT DEPARTMENT

BOOTS PURE DRUG COMPANY LTD.

NOTTINGHAM, ENGLAND.

MERSALYL B.D.H.

The use of mercurial diuretics has become an established routine in ordinary clinical practice. The superiority of the sodium salt of salicyl-(γ-hydroxymercuric-β-methoxypropyl) amide - O - acetic acid over other diuretics is officially recognised, and it has been included in the B.P. Addendum under the name Mersalylum and as Injectio Mersalyli.

Mersalyl is indicated in various oedematous conditions, particularly those associated with cardiac dysfunction.

It will be found in most cases that premedication with digitalis considerably enhances the effect of Mersalyl B.D.H.

Mersalyl is available in a sterile buffered solution as Mersalyl B.D.H. in ampoules of 1 c.c. and 2 c.c., and in suppositories for adjuvant treatment or for administration (following a single injection) in mild cases.

Literature on request

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Mrsl/S/4

Supplements to Children's diet

The Effect of Adding Vitamin B

A recent editorial statement in the *British Medical Journal* (16th October, 1937, page 753) that "Vitamin B_1 deficiency [is] an outstanding fault in the diet of many millions of people" lends additional significance to the results of a test carried out with the co-operation of a large group of doctors before knowledge of Vitamin B deficiency had reached its present state. The test was devised to ascertain the effects of the addition of Vitamin B to the diet of children, even in cases where reliance had been placed on an "ordinary mixed diet" as guaranteeing a suitable supply of Vitamin B.

The children were placed in two age groups, namely, 1–5 (infancy) and 6–15 (the chief period of growth). The main criteria employed were

(1) Improvement in appetite (loss of appetite is known to be characteristic of Vitamin B_1 deficiency).
(2) General physique.
(3) Bowel function.
(4) Apparent strength and resistance.

Of the 158 children in the first group, 141 (89.2%) were classed as "definitely improved" and 17 (10.8%) were classed as having shown no definite response. In the second group, out of 178 children, 176 (98.9%) were rated as "definitely improved," while only two in this group showed no definite response. It was considered significant that in the second group definite improvement in health followed in practically all cases as shown, whereas in the first group there was a small but definite minority of children who showed no improvement in health. This disparity is possibly connected with a special need for increased supplies of Vitamin B during the years of maximum growth. The results are set out more completely in the following table:

	GROUP I		GROUP II	
	141 Children ages 1–5		176 Children ages 6–15	
	No. of cases	Per cent.	No. of cases	Per cent.
Improvement in appetite	52	36.9	50	28.4
Improvement in physique	58	41.1	77	43.8
Improvement in bowel function	38	26.9	43	24.4
Improvement in digestion	5	3.5	5	2.8
Diminution in symptoms associated with constipation, *e.g.*, headache, listlessness, etc.	2	1.4	10	5.7
Improvement in strength, resistance, etc.	23	16.3	39	22.2

The Vitamin B supplement employed was Bemax which supplies, in addition to approximately 400 International Units of Vitamin B_1 per ounce, all the other vitamin and mineral constituents of wheat germ, some at least of which are regarded as essential to optimal nutrition. Clinical sample of Bemax and literature on request. The Bemax Laboratories (Dept. L. 53), 23, Upper Mall, London, W.6.

GASTEIN SPA WATER

is now available

IN BOTTLES

WITH THE RADIO-ACTIVITY UNIMPAIRED

thanks to Dr. Klinghoffer's

'K' ELEMENT

a discovery of far-reaching consequence

For 500 years the waters of Badgastein Spa, Austria, have been prescribed with success for Rheumatism, Gout, Arthritis and similar ills; for Liver and Nervous complaints; as a tonic and revitaliser in increasing age.

Hitherto it has been impossible to bottle Gastein Water and retain its radio activity, but this has now been overcome by the 'K' Element, a discovery of Dr. Klinghoffer, the Austrian scientist.

GUARANTEE. The full radio-activity of bottled Gastein Water is guaranteed by the Department of Measures of the Radium Institute (Curie Lab.), Paris.

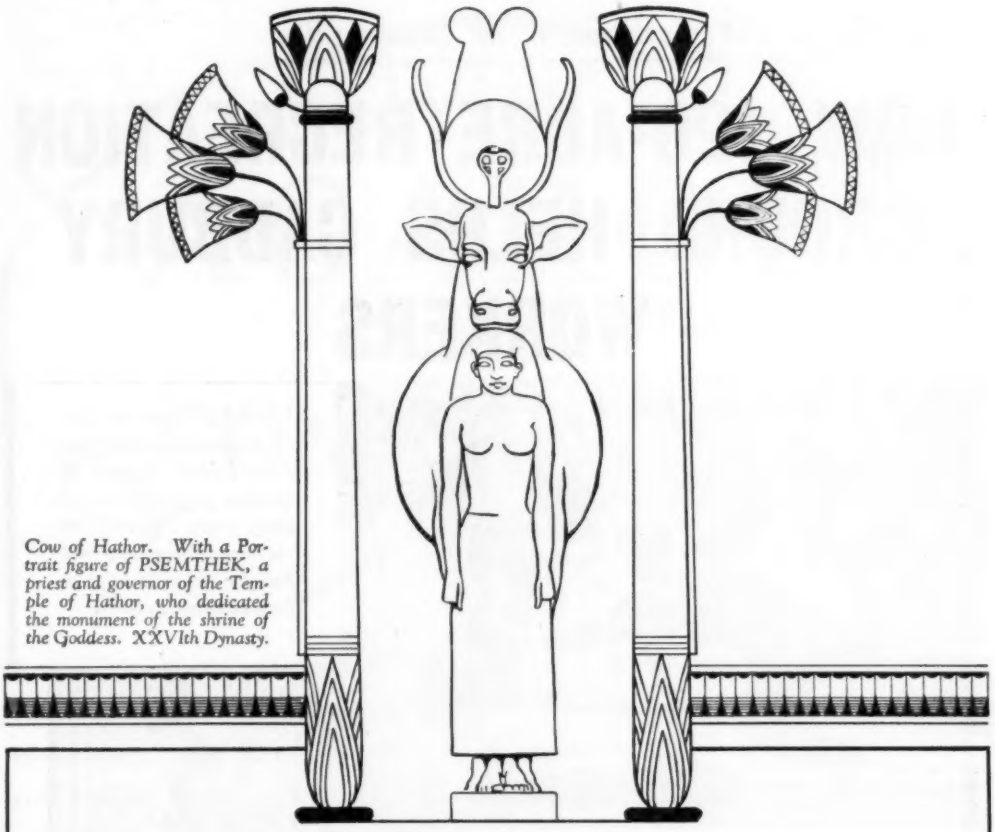
The 'K' Element is suspended from the cap of every bottle so that it comes in contact with the water. It indefinitely retains the radio-activity at full strength, thus solving a 500 years old problem and making possible the consumption of Gastein Spa Waters at any time and in any place.

The waters are colourless, tasteless and odourless. They may be taken alone, or with spirits.

Please write for the introductory paper which explains the 'K' Element and contains a note on the virtues of Gastein Water.

General Agents:
THE RADIO-ACTIVE MINERAL WATER CO. LTD.,
49 Southwark Street, London, S.E.1.

D.A.3



Cow of Hathor. With a Portrait figure of PSEMTHEK, a priest and governor of the Temple of Hathor, who dedicated the monument of the shrine of the Goddess. XXVIth Dynasty.

The Natural Aid to Nutrition

WHEN the general nutrition of the body is below normal as a result of dietary errors or of debilitating diseases, the use of 'Ovaltine'—a true physiological tonic—is of greater and more lasting value than that of chemical stimulants. It adequately reinforces and renders safe the ordinary dietary; is a powerful source of energy and assists tissue regeneration.

A considerable measure of the value of 'Ovaltine' as a highly satisfactory accessory food and aid to nutrition, is due to the fact that it presents the more important vitamins A, B (complex) and D in active condition as well as readily assimilable calcium, phosphorus and iron. 'Ovaltine' is not only highly nutritious, but really delightful to the taste and particularly easy of digestion.

'OVALTINE'

A liberal supply for clinical trial sent free on request.

A. WANDER LTD, 184, Queen's Gate, London, S.W.7

Laboratories & Works: King's Langley, Herts.

M 288

The Keep Fit Campaign at Bournville

HOW 120-ACRE RECREATION GROUND HELPS CADBURY WORKERS

'Keep Fit' is no new idea at Bournville. Employees have enjoyed the use of spacious playing fields for many years. Football for the men, hockey and net ball for the girls helps to keep everyone healthy.

And for other tastes there are the comfortable and well-equipped recreation rooms.

Leisure hours can be spent in the beautiful gardens that adjoin the factory.

Study your patients' pockets as well as their health ***Recommend***

CADBURYS

BOURN-VITA

THE IDEAL FOOD DRINK

So they're fit to make fine products at

CADBURYS *of Bournville*

THE FACTORY IN A GARDEN

WHY AGAROL BRAND COMPOUND FOR CONSTIPATION ?

Among the therapeutic measures advocated for overcoming constipation, none has proved more consistently successful than AGAROL—the original emulsion of mineral oil and agar-agar with phenolphthalein.

Agarol renders the fæcal mass plastic and pliable with unabsorbable moisture. It lubricates the intestinal tract and gently stimulates peristalsis, ensuring an easy and complete evacuation.

Used over a reasonable period, Agarol gradually restores muscular tone and functional activity of the bowel, with the gratifying assurance that natural evacuation will follow without the need for further medication.

Agarol is not advertised to the public.

Supplied in 4½ oz. 7½ oz. and 17 oz. bottles.

Trial supplies to Members of the Medical Profession on request.

William R. Warner & Co., Ltd., Power Road, Chiswick, London, W.4

A range of new purées

Uniformity and high nutritive qualities now available for general prescription

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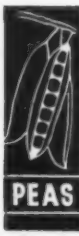


PEAS	
PROTEIN	4·8
CARBOHYDRATES	8·8
CALCIUM	0·012
PHOSPHORUS	0·083
IRON	0·0016
VITAMIN A.	GOOD
VITAMIN B.	V GOOD
VITAMIN C.	V GOOD
VITAMIN G.	FAIR
CALORIES PER OZ.	17·0

A typical example of the high nutritive values retained in Heinz Strained Foods. (Figures show percentages on the wet basis)

Vegetable and fruit purées, rich in mineral salts, vitamins and other soluble nutriment, constitute the perfect diet for infants and cases of nutritional anaemia.

But despite the wide approval shown by physicians, and a growing appreciation of this dietary by mothers, progress has hitherto been slow, owing to the practical difficulties encountered in home preparation.

The use of vegetables not truly fresh, mechanical losses through oxidation when boiling, and inefficient sieving out of the harsh fibres, inevitably impair the quality of the home-produced preparation.

Now, with the marketing of a range of strained foods by H. J. Heinz Co. Ltd., vegetable and fruit purées containing all necessary dietetic values are available in convenient bulk and form.

Heinz Strained Foods are prepared with all the advantages of the best factory method. The vegetables are specially grown in those areas where soil and climate combine to produce the best; they are harvested when they are just right, and cooked within a few hours of being garnered.

First, the ingredients are scrupulously cleaned. Cooking by light steam pressure in vacuum containers follows, leaving the contents perfectly disposed for comminution by extrusion, and at the same time ensuring retention of the essential juices and mineral constituents. Fine sieving having removed all fibres of a harsh or irritant nature, the purée is then adjusted to an acceptable consistency and sealed in vacuo, the sealed containers being immediately subjected to sterilization under constant conditions of time and temperature.

The purées thus offered are uniform, convenient and of the highest possible nutritive content.

NOTE: *Glass containers are not used owing to the deleterious effect of light on the value and palatability of the purées.*

HEINZ
STRAINED FOODS

SPINACH
TOMATOES
CARROTS
VEGETABLE SOUP
PEAS
GREEN BEANS
MIXED GREENS
BEETS
PRUNES
CEREAL
APRICOTS AND APPLE SAUCE

★ ***Fully explanatory literature and samples gladly sent on request.***

H. J. HEINZ COMPANY LIMITED, HARLESDEN, LONDON, N.W.10

POST-FEBRILE CONDITIONS

ENTERIC FEVER: By adding 'Sanatogen' to boiled and cooled milk the author found, in the dietetic treatment of typhoid (enteric) fever, that digestion and assimilation were easily accomplished, positive evidence being furnished by the steady improvement of his patients.

"Dietetic Treatment of Enteric Fever."
(PUBLIC HEALTH.)

INFLUENZA: "As a tonic-food 'Sanatogen' stands for pre-eminence. This is no mere expression of an individual opinion, but a fact firmly established by a vast array of clinical experience. . . . Whatever dietary may be decided on in the post-febrile period of influenza, it must always include 'Sanatogen.'" *(HOPKIRK.)*

DIPHTHERIA: "I am finding your Casein Glycerophosphate of great service to my patients in the Infectious Diseases Hospital, especially to Diphtheria cases who are put on it as a routine."
(——M.R.C.S., L.R.C.S., D.P.H.)

SCARLET FEVER: "I weighed, weekly, eleven children convalescent from scarlet fever to whom 'Sanatogen' was given, and fourteen other convalescent children of about the same ages, in as nearly as possible the same condition, living in hospital at the same time, and getting the same food. I found that the average gain in the weight of the children getting 'Sanatogen' was, in five weeks, 4 lbs. 2 ozs., and of those not getting 'Sanatogen' was just under 3 lbs. I have also weighed the same child at one time when not taking 'Sanatogen,' and at another when taking 'Sanatogen,' and I invariably found that the child improved considerably, and gained more weight when 'Sanatogen' was given in addition to its ordinary diet." *(THE PRACTITIONER.)*

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

"The bactericidal action of the blood and its naturally protective powers against diseases are developed by 'Sanatogen.' The combination of a glycero-phosphate with albumin, as it exists in 'Sanatogen,' produces a true physiological influence on nutrition."

(BIRMINGHAM MEDICAL REVIEW.)

Sold by all chemists price 2/3 to 19/9

SANATOGEN

Clinical samples and literature available on request to
GENATOSAN LTD., LOUGHBOROUGH.

DOSAGE: For children and adults two teaspoonfuls three times daily, or according to circumstances. For infants ½ teaspoonful added to each bottle feed.

MIST. PEPSINÆ CO. c. BISMUTHO.
(Hewlett's)

Over sixty years' reputation as a useful remedy in **Dyspepsia,** especially when **Pyrosis** is a conspicuous symptom, and also in all **Diseases of the Stomach.**

Used with considerable success in the various **stomachic complaints of young children.**

Supplied "Sine Opio" when desired.

Dose for Adults, half to one drachm diluted.

FORMALGAR.

This preparation is very popular with both the Medical and Dental professions as an economical, efficient and pleasant **Gargle** and **Mouth Wash.**

Used twice daily, it is an excellent remedy for **Throat Irritation** in professional singers.

One drachm in eight ounces of water forms an effective gargle for infectious **Sore Throat** etc., or an **Antiseptic Mouth Wash.**

HEPATAGEN.

This excellent compound is specially recommended as a general aperient and cholagogue in cases of so-called **"Biliousness", Hepatitis** and chronic **Gastritis.**

Supplied "Sine Cocaina" when desired.

Dose, 10 to 60 minims, according to the age and condition of the patient.

MIST. DAMIANÆ CO.
(Hewlett's)

In all cases of **enfeebled nerve power** and **deficient vitality** this preparation is a powerful remedy, relieving exhaustion and conferring renewed capacity for mental and physical endurance.

Dose, one to two drachms diluted.

THE SEAL OF QUALITY

C. J. HEWLETT & SON LTD.

35-42 CHARLOTTE STREET, LONDON, E.C.2

P 4

CRUNCHY FOODS AND THE HEALTH OF CHILDREN

The inclusion in every child's diet of a quantity of hard, dry food is regarded as essential by many practitioners. Such food compels thorough mastication; the regular exercise this gives to the jaws is believed to assist their correct development, thus preventing many possible troubles to the teeth in later life.

The importance of instilling the habit of thorough mastication is further stressed because of its value to digestion, to which the practice of swallowing insufficiently chewed masses of food is considered extremely harmful.

Many physicians therefore recommend that growing children should eat crisp Ryvita with their meals. Free samples of Ryvita for distribution to patients will gladly be supplied on request.

THE RYVITA COMPANY LIMITED
96-98 SOUTHWARK ST. LONDON SE1
Bakeries in Birmingham

4358

Hyperchlorhydria and Peptic Ulcer

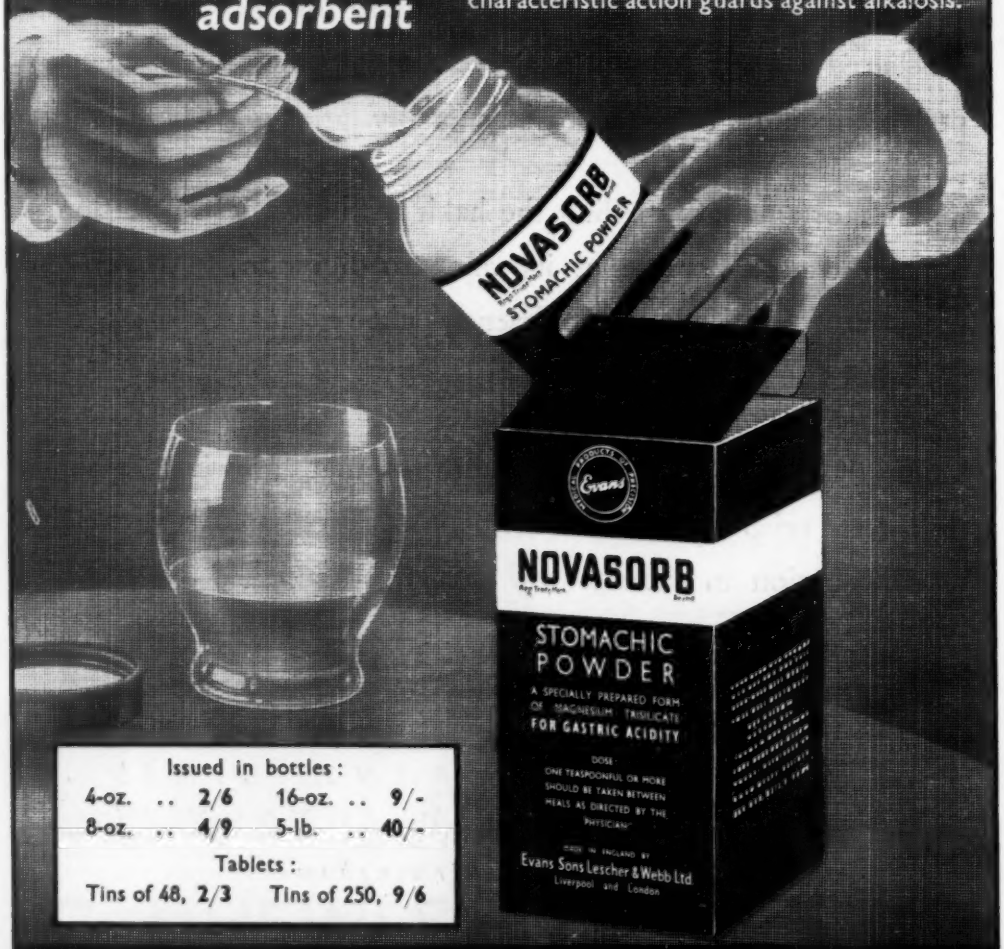
NOVASORB

BRAND

Synthetic Magnesium Trisilicate
Prepared specially for medicinal use

The best antacid and adsorbent

Novasorb promptly reduces hyper-acidity, the neutralising effect gradually slowing down as the normal is attained. This characteristic action guards against alkalosis.



Issued in bottles:

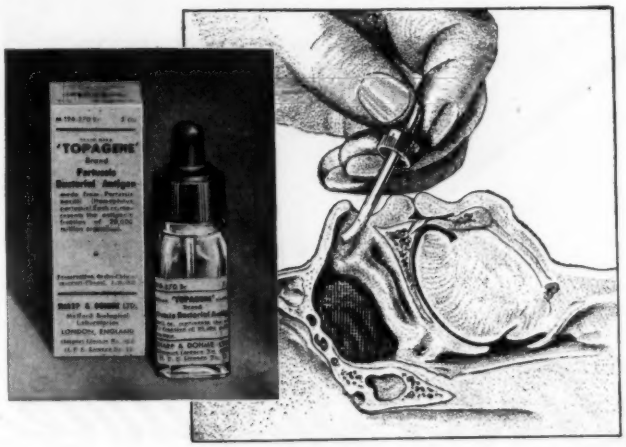
4-oz.	2/6	16-oz.	9/-
8-oz.	4/9	5-lb.	40/-

Tablets:

Tins of 48, 2/3 Tins of 250, 9/6

Evans Sons Lescher & Webb Ltd.
LIVERPOOL and LONDON

Treatment of Pertussis by the Intranasal Instillation of 'TOPAGENE' Mulford



'TOPAGENE' Pertussis Bacterial Antigen is indicated in the specific treatment of pertussis by intranasal instillation. It is a sterile solution of soluble antigenic substances derived from recently isolated phase I cultures of *H. pertussis*. Each cc. represents the antigenic substances derived from 20,000 million organisms. Its use clinically has resulted in definite cessation or amelioration of the paroxysmal cough and a decrease in the duration of the disease.

Slesinger, in *Journal of Pediatrics*, 9, 42, 1936, states that: "We feel that the high percentage of favourable results and the simplicity of the method of treatment definitely class this intranasal antigen as a valuable therapeutic procedure in the treatment of active cases of whooping cough."

The experience of Gold, reported in *Journal of Pediatrics*, 10, 641, 1937, shows definite benefit in 85% of the cases treated early in the paroxysmal stage of the disease.

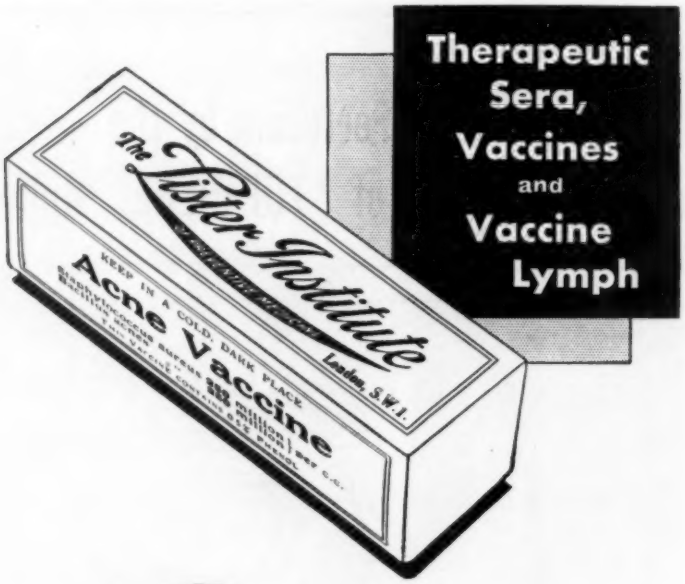
'Topagene' Pertussis Bacterial Antigen is supplied in 5-cc. vials fitted with pipette bulb stopper.

Descriptive literature sent on request

MULFORD BIOLOGICAL LABORATORIES

SHARP & DOHME LTD.

76-78, CITY ROAD, LONDON, E.C.



Therapeutic Sera, Vaccines and Vaccine Lymph

The Lister Institute
OF PREVENTIVE MEDICINE

Acne Vaccines

It has been claimed that, in certain cases of acne, where the ordinary staphylococcic vaccines have failed to ameliorate the condition, good results are obtained by the use of a mixed vaccine of the *Bacillus acnes* (Sabouraud) and the *Staphylococcus aureus*. In addition to the mixed vaccines, one consisting of the *Bacillus acnes* (10 millions per c.c.) alone is prepared.

DOSAGE: When the mixed vaccine is used the initial dose is usually 125 million staphylococci and 125 million acne bacilli. This dose may be increased to 250 and 500 millions of each organism, with an interval of 7-10 days between successive doses.

List of Acne Vaccines, with contents per c.c.

	(a)	*(b)	(c)	(d)	*(e)	*(f)
S. aureus:	250 million,	500 million,	125 million,	250 million,	500 million,	10 million
B. acnes:	10 „	20 „	125 „	250 „	250 „	

In ampoules at 2/6 each.

*Also in 10 c.c. rubber-capped vials at 15/- each.

Sole Distributors for the Lister Institute:

Allen & Hanburys Ltd.
London, E.2

'Pollaccine' is available in outfits of eight, 8 c.c. vials, in strengths ranging from 100 to 20,000 units of pollentoxin per c.c., and also in single 10 c.c. vials, and 1 c.c. ampoules in various strengths.

'POLLACCINE'

for Hayfever

Patients who are susceptible to hayfever during the summer months can be rendered relatively immune to attacks by a course of injections of pollen vaccine, given during the spring.

For those patients who have not yet commenced the prophylactic course, it will be necessary to give doses at comparatively short intervals in order to permit the attainment of a dose sufficiently large to confer adequate immunity.

'Pollaccine' is prepared in the Inoculation Department of St. Mary's Hospital, London (Founder, Sir A. E. Wright, M.D.), from the pollen of timothy grass (*Phleum pratense*). The toxins contained in the pollens of various grasses are so similar that 'Pollaccine' is the correct antigen for all true hayfever.

Further particulars concerning 'Pollaccine' and its prophylactic application will be sent on request.

Sole Agents:—

PARKE, DAVIS & CO., 50, BEAK STREET, LONDON, W.1

Laboratories: Hounslow, Middlesex. *Inc. U.S.A., Liability Ltd.*

Announcing . .

NEO-FEMERGIN

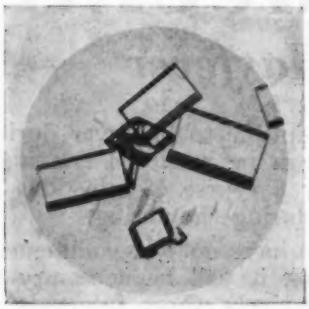
A NEW "SANDOZ" PRODUCT WITH UNSURPASSED ADVANTAGES FOR PROMPT AND PROLONGED

UTERINE STIMULATION

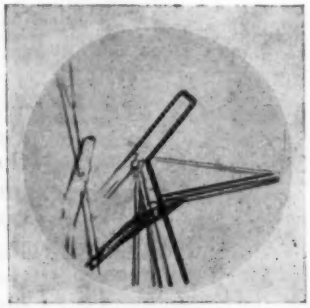
Each tablet, each cc. of oral solution and each ampoule of 1 cc. contains—

0.00025 Gm.
Ergotamine tartrate

0.000125 Gm.
Ergobasine (ergometrine) tartrate



Ergotamine (from aqueous acetone)



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Professor Guggisberg, *Helv. med. Acta*, **4**, 13, 1937.

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[1] *British Medical Journal*, 1935, November 16th, p. 938.
[2] *British Medical Journal*, 1938, January 15th, p. 105.

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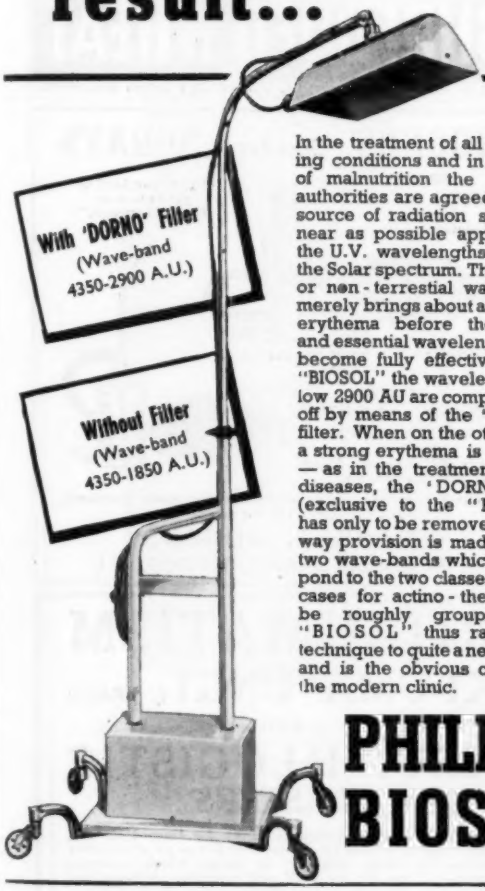

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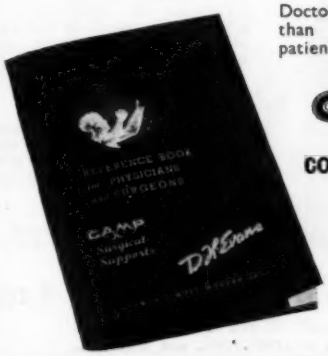

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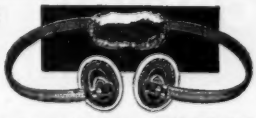

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KENNEDY CASSELS, Secretary.

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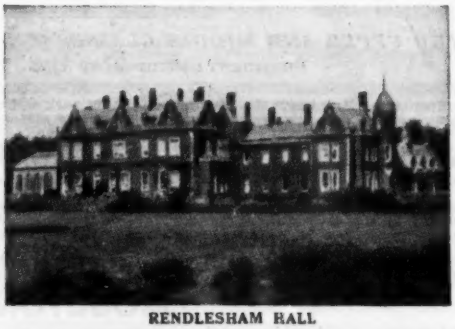

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TERMS FROM 7½ GUINEAS WEEKLY

BETHLEM ROYAL HOSPITAL

FOR NERVOUS AND MENTAL DISORDERS

Monks Orchard, Monks Orchard Road, Eden Park, Beckenham, Kent.

Reg. Tel. Address: BETHLEM, BECKENHAM *Telephone:* SPRINGPARK 1180–1181

Station: EDEN PARK (Southern Railway)

President: VISCOUNT WAKEFIELD OF HYTHE, G.C.V.O. *Treasurer:* SIR LIONEL FAUDEL-PHILLIPS, Bart.

Physician-Superintendent: J. G. PORTER-PHILLIPS, M.D., F.R.C.P.

This REGISTERED Hospital is situated at Monks Orchard in some 250 acres of park, pleasure and farm grounds. Application can be considered on behalf of patients of the educated classes in a presumably curable condition.

With a view to early treatment voluntary or uncertified patients are admitted.

Patients who can contribute 5 guineas weekly towards the cost of treatment and maintenance may be received as vacancies arise. The Committee will also consider applications for admission at lower rates and in certain cases will be prepared to admit patients free of charge.

The comfort of sensitive patients is greatly enhanced by the fact that the majority are given single bedrooms.

TREATMENT ON MODERN PRINCIPLES. Every facility for specialised investigation and treatment is provided in the Lord Wakefield of Hythe Science and Treatment Unit, including RADIOLOGICAL and DENTAL DEPARTMENTS, BIO-CHEMICAL, PATHOLOGICAL and PSYCHOLOGICAL LABORATORIES

The Medical Staff have access to a panel of Consultants in cases which present unusual symptoms requiring specialised investigation and treatment.

Under the direction of qualified officers HELIO-THERAPY, HYDRO-THERAPY and ELECTRO-THERAPY are administered in the Physio-Therapy Department.

INSULIN TREATMENT. For special cases of mental disorder Insulin Treatment is being carried out with good results and suitable cases are accepted.

OCCUPATIONAL THERAPY in the form of various Arts and Crafts is actively encouraged from the medical aspect and under the guidance of a competent instructress this department has proved most effective as a therapeutic factor in all stages of mental illness.

The promotion of physical fitness is a prominent item of treatment and this is enhanced by arrangements for patients to take part in Outdoor and Indoor Sports and Entertainments, and special attention is drawn to the physical drill and dancing classes which form part of the regular hospital routine.

Application should be made to the Physician-Superintendent.

Smedley's

Great Britain's Greatest Hydro

Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**

Illustrated Brochure C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

THE MARINE SPA

(under the direction of the Corporation)

TORQUAY

Newly-fitted Balneological and Electro-Medical and Russian Bath sections for recognised forms of Spa, etc., treatment, under mild winter climatic conditions.

Large Cooling Lounge, and "Vita" Glass Sun Lounge.

Warm Sea-Water Swimming Bath with modern filtration plant.

Assistants with C.S.M.M.G., and Bio-Physical qualifications.

The new illustrated 12-page Brochure post free on application.

H. Berkeley Hollyer, General Manager.
(late Manager, Brine Baths, Droitwich)

LA METAIRIE

Centre of Research and Medico-Psychological Treatments

(Near Nyon, on the Leman, Switzerland) Tel.: Nyon 95,626.

Carefully discriminated and graduated treatments of all nervous and mental affections. Happy environment, magnificent country, temperate climate.

Pathopsychological Institute annexe (Pupillography, &c.). Villa for abnormal children.

Head Physician: Dr. W. BOVEN, Professor of Psychiatry and Characterology at the University of Lausanne. (Consultation-room at Lausanne, by appointment; Tel.: Lausanne 25,838.)

Collaborators: Dr. O. Löwenstein, formerly Professor at the University of Bonn, inventor of the pupillographic method; Madame Dr. Calame.

HILL END HOSPITAL AND CLINIC

FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS

(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO THREE GUINEAS PER WEEK.

For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS

CLARENCE LODGE

CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4913

Apply MISS THWAITES.

SUNNYSIDE RESTORIUM

Hassocks, Sussex

The Ideal Centre for Patients convalescing after Illness or Operation, and for those requiring treatment by Physical Methods.

One hour from London, fifteen minutes from Brighton. Situated in delightful grounds overlooking the South Downs, The Sunnyside Restorium with its Southerly aspect and sheltered from cold winds enjoys a climate Mild but not Relaxing, the maximum of Sunshine and a complete freedom from Fogs.

Formed on the American Plan, patients reside in the cheerful atmosphere of a fully licensed, high-class Country Hotel with every modern convenience, yet home comforts, and free from the irksome restrictions of Nursing Home or Clinic.

TREATMENTS available include Foam and other Baths, Radiant Heat, Ultra-violet and Infra-red Ray, Diathermy, Electro-therapy, Massage, Remedial Exercises, etc. Special Dieting when required. All treatments are given by fully qualified Massage Staff, under the supervision of the Resident Physician.

Special attention given to visitors from overseas who are in England for treatment or observation by London Consultants.

LIFT to All Floors.

An invitation is extended to Medical Practitioners to visit the Restorium. Reduced Terms to Doctors and their Families.

Write for Fully Illustrated Brochure and Terms to :—

THE RESIDENT PHYSICIAN,
SUNNYSIDE RESTORIUM, HASSOCKS, SUSSEX.
Telephone : Hassocks 103.

FENSTANTON

Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply : **Dr. MADELINE R. LOCKWOOD,**
phone : **TULSE HILL 7181** *Resident Physician Superintendent.*

ASHWOOD HOUSE

KINGSWINFORD, STAFFORDSHIRE

An old-established home-like Institution for the treatment of MENTAL AFFECTIONS in BOTH SEXES. Probationary cases and non-certified patients are received as well as those regularly certified.

Full particulars as to reception terms, &c., may be obtained from the Resident Medical Officer.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone 64117 Nottingham

MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind

Terms moderate: Apply to Resident Medical Superintendent
Telegrams: ADAM WEST MALLING. Telephone: No. 2 MALLING

Grove House, All Stretton, Church

STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

Telegraphic Address: "Relief, Old Catton." **Telephone:** 290 Norwich.

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

CHISWICK HOUSE,

PINNER, MIDDLESEX.

Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY M.D., D.P.M.

STRETTON HOUSE,

Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2368.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—

Dr. ERNEST ROLLINS, Resident Physician.
Tel.: Amherst 1642.

COURT HALL

KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.

Resident Physicians—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.

Telephones—Starcross 59 and Teignmouth 289.

HIS MAJESTY'S COLONIAL SERVICE

COLONIAL MEDICAL SERVICE

During 1938 the Secretary of State for the Colonies proposes to select a number of **MEDICAL OFFICERS** to fill vacancies, the majority of which will occur in **TROPICAL AFRICA** or in **MALAYA.**

QUALIFICATIONS.

Candidates must be British subjects of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose, and throat, venereal diseases, &c.

SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1200.

PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of the officer's salary.

PASSAGES.

Free first-class passages are provided on first appointment and when proceeding on and returning from leave. Assistance is also given towards family passages.

TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 8, Buckingham Gate, London, S.W.1.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in July, 1938.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list, and periods of unemployed of half pay are very rare. The assistance of private income is not necessary for the purpose of supplementing official pay and allowances.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1938.

THE CLINIC

20 Devonshire Place
London, W.1

Tel.: Welbeck 4444 (20 lines)

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.).
8 Operating Theatres.
150 State Registered Nurses.
2 Resident Medical Officers (for emergencies).
Patients only received under the supervision of their own Medical Practitioner.
Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

The Belgrave Hospital for Children
(Incorporated), 1, Clapham-road, S.W.9.

The Committee of Management invite applications for the positions of two HOUSE PHYSICIANS and one HOUSE SURGEON, which will become vacant on April 30th.

Applicants must be fully qualified and registered. The appointments are for six months, with board, residence, and washing provided. Salary at the rate of £100 per annum in each case.

Applications, with copies of testimonials, stating age, to be forwarded on or before Thursday, April 7th.

By order.
THOMAS CLAPHAM, Secretary.

St. Paul's Hospital for Urological and
SKIN DISEASES, Endell-street, London, W.C.2

Applications are invited for the post of Male HOUSE SURGEON.

Candidates must be qualified and registered. Salary £100 per annum, with board-residence. The appointment is for three months in the first instance, and the holder will later be eligible for the post of Resident Medical Officer.

During his appointment as House Surgeon the duties involve work in the surgical wards and in the out-patient department.

Applications, with copies of recent testimonials, to be submitted not later than April 9th. The successful candidate will be required to take up duty about April 23rd.

J. P. KEY CHISLETT, Secretary.

National Hospital for Diseases of the
HEART, Westmoreland-street, Marylebone, W.1.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male). The appointment is for a period of six months from May 1st, but may be renewed for a further period not exceeding six months.

Salary at the rate of £150 per annum, with board, residence, and washing.

Candidates, who must be duly registered Medical Practitioners, will not be expected to call on the Hon. Medical Staff, but should send their applications, with copies of three recent testimonials, to me at the Hospital not later than Friday, 8th April.

ROBERT G. E. WHITNEY, Secretary.

County Council of Middlesex.

VISITING ANÆSTHETIST.

Applications are invited for the appointment of Visiting Anæsthetist at the COUNTY SANATORIUM, HAREFIELD. Candidates must be Medical Practitioners devoting the whole, or the major part of their time to anæsthetics and must be specially skilled in the administration of anæsthetics by modern methods to patients undergoing thoracic operations.

The officer appointed will be required to attend one session per week, at a fee of £3 3s. per session. The appointment, which does not carry any superannuation rights, will be held during the pleasure of the Council and is terminable by one month's notice on either side.

Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 9th April, 1938. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Visiting Anæsthetist, Harefield."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3."
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 17th March, 1938.

The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter)
Fulham-road, London, S.W.3.

Applications are invited for the post of SECOND ASSISTANT PATHOLOGIST to commence duties on the 2nd May, 1938.

Salary £300 per annum. The appointment is for twelve months and subject to rules, a copy of which may be obtained from the Secretary.

Applications to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials, to be sent to the Secretary not later than the first post on Thursday, 14th April, 1938. CLEMENT COBBOLD, Secretary.

St. John Clinic and Institute of
PHYSICAL MEDICINE,
Ranelagh-road, S.W.1.

Applications are invited for the post of HONORARY CLINICAL ASSISTANT in the ORTHOPÆDIC DEPARTMENT. Preference will be given to a candidate with higher surgical qualifications and with aptitude for research.

Applications, with testimonials, should be sent to the Secretary, at the Clinic.

The Samaritan Free Hospital for
WOMEN, Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months commencing May 1st next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, should be sent to the Secretary at the Hospital on or before Wednesday, noon, April 20th, 1938.

G. H. HAWKINS, Secretary.

University of London.

The Senate invite applications for the CHAIR OF ANATOMY tenable at the LONDON HOSPITAL MEDICAL COLLEGE. Salary £1000 a year.

Applications (12 copies) must be received not later than first post on 3rd May, 1938, by the Academic Registrar, University of London, Senate House, London, W.C.1, from whom further particulars should be obtained.

Beit Memorial Fellowships for Medical
RESEARCH.

Notice is hereby given that an election of JUNIOR FELLOWS will take place in July, 1938. The Fellows then elected will be required to begin work on October 1st. Junior Fellowships are normally of the annual value of £400 and the usual tenure is for three years; but candidates younger than those usually elected or whose promise for medical research must be mainly judged on work outside that field may be awarded a lower rate of £300 for the first two years. Candidates are asked to state whether they would be unable to accept this lower initial rate.

The Trustees are desirous of furthering research in Mental Diseases and in the general allotment of Fellowships will give some preference to a candidate proposing research on approved lines in that subject.

Applications from candidates should be received by May 14th though late entries will be accepted up to June 1st.

Forms of application and all information may be obtained by letter only addressed to:—

PROFESSOR T. R. ELLIOTT, M.D., F.R.S., Hon. Secretary,
Beit Memorial Fellowships for Medical Research, University College Hospital Medical School, University-street, London, W.C.1.

Hospital for Consumption and Diseases
OF THE CHEST, Brompton, S.W.3.

The Committee of Management invite applications for the following posts:—

RESIDENT SURGICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Salary £150 per annum, with board and residence, and an additional £25 per annum for services in connexion with paying patients. The appointment is for twelve months, commencing 1st May, 1938.

ASSISTANT RESIDENT MEDICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Experience in Artificial Pneumothorax essential, and in Ear, Nose and Throat work desirable. Salary £150 per annum, with board and residence. The appointment is for six months, commencing 1st May, 1938.

HOUSE PHYSICIANS. There are three vacancies. The duties include work in the Out-patient Department and in the wards. One of the selected candidates will be appointed Assistant to the Tuberculosis Officer for the Local Tuberculosis Dispensary at the Hospital. The appointment is for six months, commencing 1st May, 1938, with an honorarium of £50.

Applications, with copies of testimonials, must reach the undersigned not later than Saturday, 16th April, 1938.

F. G. ROUVRAY, Secretary.

Brompton, April, 1938.

Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the following appointment :—
HOUSE PHYSICIAN, vacant 1st June.
The appointment is for nine months (three months as Out-patient Medical Officer and Anæsthetist and six months as House Physician). Salary at the rate of £70 per annum, with board, residence, and laundry.
Applications, with copies of testimonials, should be sent by April 8th to the undersigned, from whom the necessary forms of application and rules can be obtained.
GILBERT G. PANTER, Secretary.

Royal Chest Hospital, City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the following post :—
RESIDENT MEDICAL OFFICER (Male). Vacant 1st May for a period of seven months (subject to re-election). Salary at the rate of £150 per annum with board, residence, and laundry.
Applications, with copies of testimonials, should be sent by the 15th April to the undersigned, from whom the necessary forms of application and rules can be obtained.
GILBERT G. PANTER, Secretary, Royal Northern Hospital, Holloway, London, N.7.

The Royal Waterloo Hospital for
CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1938, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.
Applications, with copies of testimonials, should be forwarded not later than Wednesday morning, April 20th, to the Secretary at the above address, from whom further particulars can be obtained.

The Royal Waterloo Hospital for
CHILDREN AND WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY AND ORTHOPÆDIC HOUSE SURGEON.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty and Orthopædic House Surgeon to work in the Out-patient Department with care of Orthopædic beds. Salary at the rate of £150 per annum, with board and residence. The appointment is in the first instance for a period of six months.
Applications, with copies of testimonials, should be sent not later than Wednesday morning, April 20th, to the Secretary at the above address, from whom further particulars can be obtained.

British Postgraduate Medical School.

Applications are invited for the post of FIRST ASSISTANT (non-resident) in the DEPARTMENT OF OBSTETRICS AND GYNÆCOLOGY in the above-named School. Special experience in Obstetrics and Gynæcology is required. The post will normally be whole-time. Salary £250 to £500 according to experience and qualifications.
Further particulars can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, to whom applications accompanied by two testimonials, and giving the names of two referees should be addressed, to arrive not later than first post on Tuesday, April 19th.

The London Homœopathic Hospital
(Incorporated by Royal Charter),
Great Ormond-street, Bloomsbury, W.C.1.

A General Hospital. (200 Beds.)

APPOINTMENT OF TWO HONORARY CLINICAL ASSISTANTS FOR MANIPULATIVE SURGERY.

Applications are invited for the appointment of two Clinical Assistants for Manipulative Surgery in the ORTHOPÆDIC DEPARTMENT. The appointments afford a good opportunity for learning the art of Manipulative Surgery and are for a period of six months.
It will be necessary for the Assistants to attend for three hours each day on five days of the week. Candidates must be legally qualified and registered, and should address their applications to the undersigned.
L. J. KNOWLES, Secretary.

Royal London Ophthalmic Hospital,
(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the post of OUT-PATIENT OFFICER, to attend on Mondays and Thursdays (mornings) each week.
Candidates must be registered Medical Practitioners.
Salary at the rate of £100 per annum. The Out-patient Officer will be appointed for a period of one year and will be eligible for reappointment.
Copies of regulations can be obtained on application.
Applications, with testimonials, stating age and qualifications together with photograph, must be received by the undersigned not later than 6th April, 1938.
A. J. M. TARRANT, Secretary.

London County Council.

CONSULTANT AND SPECIALIST SERVICES.

Applications invited for appointment as part-time Consulting Pædiatrist for a total of one session a week for duty at QUEEN MARY'S HOSPITAL FOR CHILDREN, CARSHALTON, SURREY, and the DOWNS HOSPITAL FOR CHILDREN, SUTTON, SURREY.
Salary £125 a year (£75 a year if already employed as a part-time consultant or specialist in the hospitals service) and additional remuneration at the rate of £2 12*s.* 6*d.* a visit for emergency visits made in excess of the number of routine sessions.
Application forms containing full particulars obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division-6), County Hall, Westminster Bridge, S.E.1, returnable by 20th April. Women eligible. Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.
ASSISTANT MEDICAL OFFICER (Grade I).—Salary £350–£25–£425, with board, lodging, and washing.
(*a*) KING GEORGE V SANATORIUM, near Godalming, Surrey.—Experience in pulmonary tuberculosis desirable.
(*b*) ST. LUKE'S HOSPITAL, Lowestoft, Suffolk.—Experience in non-pulmonary tuberculosis desirable. (No accommodation for a woman.)
ASSISTANT MEDICAL OFFICER (Grade II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).
(*c*) GROVE PARK HOSPITAL, Lee, S.E.12.—Experience in pulmonary tuberculosis desirable.
(*d*) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh-hill, Greenwich, S.E.10.—Casualty officer, experience in anæsthetics desirable. (Candidates must have held resident appointment in a general hospital for at least six months.)
Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 11th April.
Canvassing disqualifies.

Saint Mary's Hospital for Women and
CHILDREN, Plaistow, E.13.

Applications are invited for the posts of RESIDENT SURGICAL OFFICER and RESIDENT HOUSE PHYSICIAN (vacant May 1st), Male or Female.
The appointments are for six months and will expire on 30th October. Board and residence are provided. Salaries at the rate of £155 and £150 per annum respectively, including £5 allowance for laundry. Personal canvassing not desired.
Applications, with copies of three recent testimonials, to be sent to the undersigned not later than 11th April.
A. ERNEST WILKES, Secretary.

Central London Throat, Nose, and Ear
HOSPITAL, Gray's Inn-road, W.C.1.

ASSISTANTS IN THE OUT-PATIENT DEPARTMENT.
There are the following vacancies :—
THIRD Assistant to attend on Monday at 2 P.M.
THIRD Assistant to attend on Friday at 2 P.M.
THIRD Assistant to attend on Saturday (first session) at 9.30 A.M.
The duties are to assist the Surgeons in seeing the patients, and the posts are honorary.
Applications, which may be for periods of three, six, or twelve months, should be sent to the undersigned immediately.
JOHN H. YOUNG, Secretary-Superintendent.

County Council of Middlesex.

Central Middlesex County Hospital,
Acton-lane, Willesden, N.W.10.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment.
Candidates must be registered Medical Practitioners, preferably with surgical experience, who have held resident appointments in a general hospital.
Salary £250 per annum, together with board, lodging, and laundry, valued at £100 per annum.
The appointment (which does not carry any superannuation rights, will be subject to medical examination and is terminable by one month's notice on either side) is for a period of six months in the first instance, and may be extended for an additional six months. The officer appointed will work under the direction of the Medical Superintendent and will devote his or her whole time to official duties.
Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 20th April. Application forms are not provided. Relationship to any member or officer of the Council must be disclosed in the application. Envelopes must be endorsed "Junior Assistant Medical Officer, Central Middlesex County Hospital."
Canvassing, directly or indirectly, will be a disqualification.
C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1, 25th March, 1938.

Metropolitan Hospital,
Kingsland-road, E.8. (150 Beds.)

There are vacancies for the following :—
(a) SENIOR HOUSE PHYSICIAN.
(b) SENIOR HOUSE SURGEON.
(c) JUNIOR HOUSE PHYSICIAN.
(d) JUNIOR HOUSE SURGEON.
Males. Salary £100 per annum.

Appointments in the first place will be for a period of six months dating from 1st May.

Candidates must possess a registered Medical and Surgical qualification of the United Kingdom.

Form of application must be obtained from the undersigned and returned duly completed by 14th April, 1938.

Two members of the Resident Staff are candidates for the two senior appointments.

Applications are also invited for the post of CASUALTY OFFICER AND RESIDENT ANÆSTHETIST for a period of six months dating from June 1st. Conditions as obtaining above. FRANK JENNINGS, House Governor and Secretary.

The Italian Hospital,
Queen-square, W.C.1.

Applications are invited for the post of HONORARY EAR, NOSE, AND THROAT SURGEON. Candidates must be Fellows of the Royal College of Surgeons of England or Edinburgh or possess the Italian equivalent and have a knowledge of Italian.

Applications should reach the Secretary by Monday, 11th April.

Required, Honorary Physician for the
LONDON SKIN HOSPITAL.—Apply to the Secretary, 40, Fitzroy-square, W.1.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

An additional HONORARY REGISTRAR is required for the THROAT, NOSE, AND EAR DEPARTMENT. The appointment is for one year from 1st May next and, subject to annual re-election, may be extended for a period of not longer than three years.

Applicants must be duly qualified registered Medical Practitioners with previous experience in Oto-laryngology.

Applications, accompanied by copies of testimonials, must reach me not later than Thursday, 21st April. Candidates must attend a meeting of the Medical Council at 4.30 P.M. on Friday, 22nd April, and prior to that date call upon and send copies of their applications and testimonials to each member thereof. They must not canvass members of the Board, but nevertheless must send copies of their applications and testimonials to each member thereof and, if so notified, be in attendance at a meeting of the Board at 5 P.M. on Tuesday, 26th April, when the appointment will be made.

H. A. MADGE, Secretary.

London Jewish Hospital,
Stepney Green, E.1.
General Hospital. (109 Beds.)

Applications are invited for the post of EAR, NOSE, AND THROAT REGISTRAR. Honorarium at the rate of Twenty Guineas per annum.

Particulars can be obtained from the Secretary, to whom candidates must send their applications and copies of three recent testimonials.

Borough of Torquay.

APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications for the above position are invited from registered Medical Practitioners not exceeding forty years of age if occupying a designated post under another local authority, but otherwise not exceeding thirty-five years of age, and possessing a Diploma in Public Health or a similar qualification.

The officer appointed will be required to devote the whole of his or her time to the duties of the office and must not engage in private practice.

The salary will commence at £600 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700. A car allowance of £40 per annum will be made.

The position will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

Lists of duties and forms of application may be obtained from the undersigned, and the forms, duly completed, must be returned in an envelope endorsed "Deputy Medical Officer of Health," not later than 20th April, 1938.

HERBERT A. HIELD, Town Clerk.

Town Hall, Torquay, 29th March, 1938.

Temporary Tuberculosis Officer
required for Holiday duties for approximately four months from 13th June, 1938, at a fee of £15 per week, inclusive of travelling expenses.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be addressed and delivered to the Clerk of the COUNTY COUNCIL, County Hall, CHELMSFORD, not later than 10 A.M. on Tuesday, 19th April, 1938.

Manchester Hospital for Consumption
AND DISEASES OF THE THROAT AND CHEST.

Wanted, an ASSISTANT MEDICAL OFFICER (Male) for the CROSSLEY SANATORIUM, DELAMERE FOREST, CHESHIRE. (110 Beds.) Salary £200 per annum, with board, apartments, and laundry.

Candidates must be registered. The appointment offers an opportunity for gaining experience in modern methods of treating Pulmonary Tuberculosis.

Applications, stating age, with copies of testimonials, to be sent not later than April 18th to W. HUNT, Secretary, 45, Hardman-street, Manchester.

City of Leicester.

ISOLATION HOSPITAL AND SANATORIUM.
(340 Beds.)

DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited from registered Medical Practitioners (Male) for the post of Deputy Medical Superintendent at the above Hospital.

Applicants should be unmarried, and preference will be given to those who have held General Hospital appointments together with experience in either Pulmonary Tuberculosis or Infectious Diseases.

Commencing salary £400 per annum, rising by annual increments of £50 to £600 per annum, together with residential emoluments valued at £150 per annum.

The appointment, which will be in the first instance for a period of two years, is designated under the Local Government and Other Officers' Superannuation Act, 1922, and is terminable by three calendar months' notice on either side.

Further particulars of the appointment and forms of application can be obtained from the undersigned. Applications to be accompanied by copies of not more than three recent testimonials and must be delivered not later than April 14th.

E. K. MACDONALD, Medical Officer of Health.

Health Offices, Grey Friars, Leicester, April, 1938.

Royal Hampshire County Hospital,
WINCHESTER.
(187 Beds, 5 Resident Officers.)
Hospital recognised by the Royal College of Surgeons, England.

TWO HOUSE SURGEONS.

Applications are invited from fully qualified men for the above posts, one to take up duties on 1st May and one as soon as possible. Six months' appointment. Salary £100 per annum, with board, residence, and laundry.

Candidates, who must be of British Nationality, to make application to the undersigned, enclosing copies of three testimonials.

28th March, 1938. HERBERT MASLEN, Secretary.

Preston and County of Lancaster Royal
INFIRMARY.

The Board of Management invite applications for the post of HOUSE SURGEON to the EYE, EAR, NOSE, AND THROAT WARDS AND CLINICS.

Salary at the rate of £150 per annum, with board, residence, and laundry. Six months' appointment.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be forwarded to—

JOHN GIBSON, Superintendent and Secretary.

Royal Infirmary, Preston, 28th March, 1938.

The Royal Cripples Hospital,
BIRMINGHAM.
(306 Beds for Acute Cases (including a proportion of patients suffering from Tubercular Bone Disease) and large Out-patient Department.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male) vacant immediately. Salary £200 per annum, plus car allowance. The appointment, which is for a period of six months, is renewable on the discretion of the Medical Board, and is terminable by one month's notice on either side.

Candidates must be unmarried, and preference will be given to those with previous experience in General and Orthopædic Hospitals.

Applications, with copies of three recent testimonials, to be sent to the General Secretary, Royal Cripples Hospital, 80, Broad-street, Birmingham, 15.

St. Bartholomew's Hospital, Rochester.
FOUR RESIDENTS.

The House and Finance Committee invite applications for the post of HOUSE PHYSICIAN, which will become vacant on 25th April, 1938.

Candidates must be unmarried, qualified and registered Medical Men. The appointment is for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, experience, &c., accompanied by copies of two testimonials or one from the Dean of the candidate's Medical School, should be received by the Superintendent-Secretary not later than noon, 8th April, 1938.

Canvassing the Honorary Staff will disqualify.

Barrowmore Tuberculosis Sanatorium
AND SETTLEMENT, GT. BARROW,
Near CHESTER.

Male JUNIOR ASSISTANT MEDICAL OFFICER required. Salary £200 per annum, with board, residence, and laundry. The appointment will be made in the first instance for a period of six months, renewable for a further six months, not renewable afterwards.

The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital accommodation, extensive workshops for graduated work, and a Settlement.

Special treatment, Sanocrysin and Artificial Pneumothorax given.

Applications marked "Junior Assistant Medical Officer," with copies of three testimonials, should be sent to the Medical Director at the above address by Wednesday, 6th April, 1938.

City of Norwich.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER, &c.

Applications are invited for the post of Assistant Medical Officer of Health and Assistant School Medical Officer to include the duties of Medical Officer with residence at the Isolation Hospital. Salary £600 per annum (including emoluments valued at £150 per annum), rising by annual increments of £25 to £700 per annum. Board allowance at the rate of £60 per annum granted when absent from hospital on leave. The post is designated under the Local Government and Other Officers' Superannuation Act, 1922.

For particulars apply to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications for the post must be received not later than 11th April, 1938.

City of Birmingham Education
COMMITTEE.

APPOINTMENT OF TWO ASSISTANT SCHOOL MEDICAL OFFICERS (Male or Female).

Required, to begin duty on 1st September, 1938, two Assistant School Medical Officers (Male or Female). Candidates must have had at least three years' experience in the practice of their profession subsequent to obtaining a registrable qualification. Salary according to "Askwith" Scale (£500 to £700 by annual increments of £25). In fixing commencing salary previous service in Class II of "Askwith" Scale may be taken into account. £10 per annum travelling expenses allowed.

Forms of application (to be returned by Saturday, April 30th), with further information, obtainable from the undersigned on receipt of stamped addressed envelope. Communications should be endorsed "Assistant School Medical Officer." Canvassing will disqualify.

P. D. INNES, Chief Education Officer.
Education Office, Margaret-street, Birmingham, 3.
19th March, 1938.

Stirling District Mental Hospital,
LARBERT.—JUNIOR ASSISTANT MEDICAL OFFICER required (Male). Salary commencing at £300 per annum, with board, lodging, and laundry. Appointment subject to provisions of Asylums Officers' Superannuation Act.

Apply, stating age and experience, with testimonials, to the Medical Superintendent.

Bristol Eye Hospital.
80 Beds. (12 Private Patients.)
1937: 1017 In-patients. 17,794 Out-patients.

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £100 per annum. Senior post available after six months. Vacant 14th April, 1938.

Suitable experience for D.O.M.S. Applications, stating age and qualifications, &c., with three recent testimonials, to reach the undersigned by April 8th.

D. M. BABER, Secretary and House Governor.

City of Plymouth.
MEDICAL OFFICER OF HEALTH'S DEPARTMENT.

THE CITY ISOLATION HOSPITAL.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (unmarried, Male) for the above appointment, which is for a period of twelve months, terminable by one month's notice on either side.

The salary will be at the rate of £300 per annum, with full residential emoluments, and any fees received by the officer must be refunded to the Council.

The successful candidate will be required to work under the direction of the Medical Superintendent and will devote the whole of his time to official duties, which will consist mainly of work in the hospital and assisting at certain venereal disease clinics.

In addition to the above he will be required to perform any other duties allotted to him from time to time by the Medical Officer of Health.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must reach the undersigned not later than Tuesday, 12th April, 1938. T. PEIRSON, Medical Officer of Health.

Town Hall, Stonehouse, Plymouth.

City of Liverpool.
CITY BACTERIOLOGIST'S DEPARTMENT.

Applications are invited for a Temporary JUNIOR ASSISTANT BACTERIOLOGIST in the above Department. The appointment will be for one year. Candidates will be required to possess a registrable medical qualification and evidence of special bacteriological training is desirable. The salary will be at the rate of £400 per annum. The person appointed will be required to devote the whole of his time to the work of the department.

Applications, accompanied by copies of three recent testimonials, together with details of training, experience, and research work, should be addressed to the Town Clerk, Municipal Buildings, Dale-street, Liverpool, 2, endorsed "Temporary Junior Bacteriologist" and be delivered not later than 9th April, 1938.

Canvassing of members of the City Council will be regarded as a disqualification. W. H. BAINES, Town Clerk.

21st March, 1938.

Holland (Lincs) County Council.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified and registered Medical Practitioners holding the Diploma in Public Health, or an equivalent qualification, for the post of Assistant Medical Officer of Health (Male). Candidates must not exceed forty years of age.

The person appointed, who must have had post-graduate experience in radiology and in the diagnosis and treatment of tuberculosis, will be required to carry out all the duties assigned to him by the County Medical Officer, under whose direction and supervision he will act. He will not be allowed to engage in private practice.

The salary will be £600 per annum, rising by increments of £25 per annum to £750, together with travelling expenses according to the Council's scale.

The appointment will be a designated post under the Local Government and Other Officers' Superannuation Act, and the successful candidate will be required to pass a medical examination.

The appointment will be determinable by three months' notice on either side.

Forms of application may be obtained from the County Medical Officer, County Hall, Boston, by whom they must be received, together with copies of three recent testimonials, not later than 10 A.M. on April 11th, 1938.

H. C. MARRIS, Clerk of the County Council.
County Hall, Boston, 21st March, 1938.

Bedford County Hospital.

Wanted, FIRST HOUSE SURGEON, to take over his duties on April 8th for a term of not less than six months. He must be fully qualified, male, unmarried. Salary £155 per annum, together with board, lodging, and laundry.

Applications, stating age, qualifications, and nationality, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

Royal Surrey County Hospital,
GUILDFORD.
(216 Beds.)

WANTED 1ST MAY, 1938, RESIDENT SURGICAL OFFICER (Male).

Twelve months' appointment: recognised for F.R.C.S. Salary £250 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than 8th April, 1938.

Dorset County Hospital, Dorchester.

APPOINTMENT OF HOUSE SURGEON.

The Committee of Management are open to receive applications for the position of House Surgeon (Male only) to take up his duties on 14th May, 1938.

Every candidate must be unmarried and possess a registered qualification to practise medicine and surgery from some recognised body in Great Britain or Ireland. Salary £150 per annum, with board and lodging. The appointment is for a period of six months. All applications, accompanied by copies of three recent testimonials, should be sent to the Secretary, Dorset County Hospital, as early as possible.

Candidates must be of British birth and nationality.

Royal Berkshire Hospital, Reading.
(338 Beds.)

Applications are invited for the following resident appointments, which fall vacant on May 1st, 1938:—

One HOUSE SURGEON (Male),
One HOUSE PHYSICIAN (Male),
One HOUSE SURGEON TO THE SPECIAL DEPARTMENTS (EYE, EAR, NOSE, AND THROAT) (Male).

Appointments are for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned on or before April 14th, 1938. H. E. RYAN, Secretary and House Governor.

City of Nottingham.

ASSISTANT MEDICAL OFFICER FOR MATERNITY AND CHILD WELFARE WORK.

Applications are invited for the above post from Women Medical Graduates experienced in Practical Midwifery and Ante-natal and Infant welfare work.

The duties will be chiefly in the Ante-natal and Infant welfare clinics under the administrative control of the Medical Officer of Health.

Salary £500, rising by annual increments of £25 to £700. The salary is subject to deductions under the Superannuation Scheme of the Corporation. The successful candidate will be required to submit to a medical examination and to reside within the City of Nottingham.

The appointment will be subject to one month's notice on either side.

Application forms may be obtained from the undersigned and must be returned to me not later than April 18th, 1938.

Canvassing will be a disqualification.

J. E. RICHARDS, Town Clerk.

Guildhall, Nottingham, 18th March, 1938.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £175 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be forwarded on or before the 11th April.

J. KENYON, Secretary.

The Guest Hospital, Dudley.

(General Hospital. 135 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

HOUSE SURGEON (Male) required. Commence duty on May 2nd. Salary at the rate of £100–£130, according to experience, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST,
House Governor and Secretary.

18th March, 1938.

Birmingham and Midland Eye

HOSPITAL.
(114 Beds.)

Applications are invited from duly qualified Medical Practitioners for the post of HOUSE SURGEON at the above Hospital which becomes vacant on April 30th next.

Salary £130 per annum (rising to £150 at the end of six months' satisfactory service), and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

Applications, with testimonials and evidence of registration, should be forwarded immediately to the undersigned.

J. W. PEARCE, General Superintendent.

Church-street, Birmingham, 3.

Royal Hospital, Richmond, Surrey.

Applications are invited immediately for the following post:—

JUNIOR HOUSE SURGEON (Male). £100 per annum.

Board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. Form of application can be obtained from the undersigned.

G. M. EDEN, Secretary-Superintendent.

Burslem, Haywood, and Tunstall War

MEMORIAL HOSPITAL, High-lane, TUNSTALL, STOKE-ON-TRENT.
(66 Beds. Approved Training School for Nurses.)

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £175 per annum, with board, residence, and laundry.

The appointment is for six months in the first instance; reappointment may be applied for. Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

The Chester Royal Infirmary.

(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to take up duty as soon as possible. Salary £150 per annum, with board, lodging, and laundry. Duties will include work in the Orthopædic Department and Fracture Clinic. The appointment is approved in connexion with the M.S. (London University) and F.R.C.S. (Eng.) Examinations. Application list closes 8th April.

Application forms may be obtained from:—

W. H. GRACE, M.D., M.R.C.P.
16th March, 1938. Hon. Secretary, Medical Committee.

Manchester Royal Eye Hospital.

HOUSE SURGEON required. Salary £120 per annum, with residence, board, &c.

Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management.

H. R. NORTH, General Superintendent and Secretary.

Portsmouth Education Committee.

SCHOOL MEDICAL SERVICE.

The Committee invite applications from fully qualified candidates for the appointment of a Male ASSISTANT MEDICAL OFFICER OF HEALTH and ASSISTANT SCHOOL MEDICAL OFFICER.

Salary £500–£25–£700 per annum. Experience in Refraction, Orthopædics, Mental Deficiency, Diseases of the Ear, Nose, and Throat, or any other branch of the work will be deemed a recommendation. D.P.H. an advantage.

The selected candidate will be required to pass a medical examination and contribute to the Council's Superannuation Scheme.

Forms of application obtainable from the Chief Clerk, Education Offices, Guildhall, Portsmouth, and should be returned not later than the first post on 6th April, 1938, to the undersigned.

Canvassing in any form will disqualify.

F. J. SPARKS,
Town Clerk and Clerk to the Education Committee.

Guildhall, Portsmouth, 17th March, 1938.

CITY OF CAPETOWN

TUBERCULOSIS OFFICER.

Applications are invited from qualified Medical Practitioners, not over forty-five years of age, for the position of Tuberculosis Officer in the City Health Department.

The position will involve such administrative, clinical, home-visiting, and other duties as may be from time to time prescribed.

The appointment will be terminable upon one month's notice on either side, and is subject to the provisions of Provincial Ordinance No. 10 of 1912 (Cape) and amending ordinances and to the standing rules and regulations of the Council.

If the successful applicant is resident in the United Kingdom his first-class fare from Southampton to Capetown will be paid and half-salary during the voyage, and he will be required to enter into a three years' contract with the City Council.

Salary will be at the rate of £800 per annum, rising by annual increments of £50 to £1000 per annum, and a motor transport allowance of £13 a month will be paid. The officer appointed will be required to devote the whole of his time to his office and not to engage in private practice.

Applicants must submit particulars as to age, qualification, present position and past experience, with details as to experience in the diagnosis and treatment of tuberculosis and public anti-tuberculosis schemes; and must also submit a medical certificate of physical fitness. Applications, accompanied by copies of not more than three recent testimonials, must be delivered in a sealed packet endorsed "Tuberculosis Officer" either to the undersigned or to Messrs. Davis and Soper, Ltd., 54, St. Mary Axe, London, E.C.3, from either of whom also certain further particulars as to the position may be obtained on application. If candidates are resident in South Africa applications must be delivered to the undersigned not later than noon, 7th May, 1938; if candidates are resident in the United Kingdom applications must be delivered at the office of Messrs. Davis and Soper, Ltd., not later than noon, 23rd April, 1938.

Applications should state when they can commence duty.

The canvassing of Councillors will be regarded as a disqualification. FRANK G. GALE, Deputy Town Clerk.

City Hall, Capetown, 14th March, 1938.

Borough of Llanelly.

ASSISTANT (LADY) MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

The Town Council invite applications for above whole-time appointment from duly qualified single Lady Medical Practitioners. Applicants must have had at least three years' experience in the medical profession and special experience in midwifery and child welfare work. Possession of the Diploma in Public Health will be an advantage.

Salary £500, increasing by annual increments of £25 to £700 per annum.

The officer will be required primarily to carry out duties relative to Maternity and Child Welfare and School-children, and any assigned work in connexion with the Medical Services of the Borough under the directions of the Medical Officer of Health.

The appointment is subject to the 1922 Superannuation Act.

The selected candidate must pass a satisfactory medical examination.

Prescribed application forms may be obtained from the undersigned, and when sent in should be endorsed "Assistant Medical Officer," and addressed so as to be delivered to the undersigned on or before the 20th April, 1938.

Town Hall, Llanelly. DAVID J. PHILLIPS, Town Clerk.

Herefordshire General Hospital,

HEREFORD.
(152 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) in charge of Casualty and Ear, Nose, and Throat Departments.

Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, should be sent at once to the undersigned. T. W. UPTON, Secretary.

Walsall General Hospital.

The Committee will shortly proceed to the appointment of an ASSISTANT HON. SURGEON to the Ear, Nose, and Throat Department.

Applications with the necessary particulars should be made to the undersigned. WALTER FRANCOMBE, House Governor.

14th March, 1938.

Manchester Royal Infirmary and

UNIVERSITY OF MANCHESTER.

DICKINSON SCHOLARSHIPS—1938.
TRAVELLING SCHOLARSHIP—MEDICINE £300
SCHOLARSHIP IN SURGERY—£75.

Applications are invited for the Travelling Scholarship in Medicine, value £300, and for a Scholarship in Surgery value £75, each tenable for one year.

Candidates must be Graduates of any University who have taken their full course of instruction in Medicine and Surgery at the University of Manchester and at the Manchester Royal Infirmary.

Copies of the regulations governing the Scholarships may be obtained from the undersigned, to whom six copies of application should be sent not later than Saturday, 30th April, 1938.

F. J. CABLE, General Superintendent and Secretary, Manchester Royal Infirmary.

Essex County Hospital, Colchester.

(174 Beds.)

Wanted in May, a HOUSE PHYSICIAN (Male). Salary £150 per annum, with board, washing, and residence in the Hospital. Medical and surgical qualifications required.

Applications, with three recent testimonials, to be sent on or before Wednesday, the 13th April, to :—

ALFRED G. BUCK, Secretary.

County Borough of Birkenhead:

DEPARTMENT OF THE MEDICAL OFFICER OF HEALTH.
BIRKENHEAD MUNICIPAL HOSPITAL. (560 Beds.)

RESIDENT MEDICAL OFFICER.

Applications are invited for the above position.

Candidates must be Male, unmarried, and fully qualified registered Medical Practitioners.

The duties attached to the post are mainly medical, and preference will be given to candidates who have had previous post-graduate hospital experience either in a Municipal or Voluntary General Hospital.

Salary £300 per annum, with board, residence, and laundry.

The appointment will be tenable for one year.

Applications must be made on forms to be obtained from Dr. D. Morley Mathieson, Medical Officer of Health, 9, Hamilton-square, Birkenhead.

Applications endorsed "Resident Medical Officer" to be received by the undersigned not later than Saturday, 9th April, 1938. E. W. TAME, Town Clerk.

Town Hall, Birkenhead.

Royal Surrey County Hospital,

GUILDFORD. (216 Beds.)

Wanted, 1st May, 1938, HOUSE SURGEON (Male). Six months' appointment, recognised for the F.R.C.S. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent by the 8th April.

Brighton Education Committee.

ASSISTANT TO SCHOOL MEDICAL OFFICER AND ASSISTANT TO THE MEDICAL OFFICER OF HEALTH.

Applications are invited from fully qualified Medical Men under forty-five years of age for the above appointment. Applicants must have had experience in children's diseases and must be competent in Refraction work for children. Experience in school medical inspection would be an asset and also the possession of the D.P.H.

Salary £500, rising by annual increments of £25 to a maximum of £700. The salary is subject to statutory deductions under the Local Government and Other Officers' Superannuation Act, 1922.

Applications, on forms to be obtained from the undersigned, together with copies of three recent testimonials, should be sent in before noon on the 22nd April, 1938.

Canvassing will be regarded as a disqualification.

F. HERBERT TOYNE, Education Officer.

Education Offices, 54, Old Steine, Brighton.

UNIVERSITY OF BRISTOL

The University invites applications for the post of
SENIOR CLINICAL PATHOLOGIST
in the
DEPARTMENT OF PREVENTIVE MEDICINE

Salary £700 to £800 per annum, according to qualifications and experience.

Applications should reach the undersigned, from whom further particulars may be obtained, on or before 20th April, 1938.

WINIFRED SHAPLAND,
Secretary and Registrar.

GEORGE HENRY LEWES STUDENTSHIP

ANNUAL VALUE £250 (about).

The above Studentship will be vacant on June 26th, 1938.

The student is required to give his whole time to research work, except such as, in the opinion of the Trustees, does not interfere with his original inquiries. Candidates should send (*a*) a statement of their qualifications, and their need of pecuniary help, (*b*) the subject of their proposed research, (*c*) the name of one referee to Prof. Adrian, Department of Physiology, Cambridge, by June 15th, 1938. The Studentship is not limited to either sex, and the Student is expected normally to work in the Department of Physiology, Cambridge, though in exceptional conditions he may obtain permission to work elsewhere.

SUDAN MEDICAL SERVICE

Applications are invited from Medical Men for immediate appointment to a vacancy in the Sudan Medical Service. Candidates must be British-born, single, under thirty years of age, and must have held a Resident appointment in a large general hospital.

Pay commences at £E720 rising to £E1200 after thirteen years service. Senior posts are by selection. Three months annual leave is usually obtainable after the first tour, and all candidates on confirmation of their appointment are eligible for pensionable service.

Applications, in writing only, giving particulars of age, education, qualifications, and experience should be made to Dr. SQUIRES, 93, Harley-street, W.1.

Leicestershire County Council.

COUNTY SANATORIUM AND ISOLATION HOSPITAL, MARKFIELD.
(200 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER.

Applications are invited for the post of an unmarried Male Junior Resident Medical Officer at the above Institution.

The appointment will be for a period of six months, renewable if satisfactory for a further six months.

The salary will be £300 per annum, together with board, residence, and laundry.

The person appointed will have opportunities of gaining experience in the treatment of tuberculosis and infectious diseases, and in X Ray work.

Forms of application may be obtained from the undersigned and must be received, together with copies of not more than three recent testimonials, not later than the 13th April, 1938.

LUCAS E. RUMSEY, Clerk of the County Council.

County Offices, Leicester, 25th March, 1938.

The Birmingham United Hospital.

PSYCHOLOGIST required for duty at the NERVE HOSPITAL, BIRMINGHAM.

This Hospital is associated with and staffed by the Queen's Hospital unit of the Birmingham United Hospital.

Candidates must be qualified Medical Practitioners, and will be required to produce evidence of special experience in Psychology.

Salary to commence, £500 per annum, decreasing by £100 annually.

The successful applicant will be required to attend five afternoon and two evening clinics per week.

Private practice will be allowed.

Applications should be marked "Psychologist" and addressed to the Secretary, Midland Nerve Hospital, Bath-row, Birmingham 15, to reach him by April 14th.

March 21st, 1938.

The Staffordshire General Infirmary,

STAFFORD.

HOUSE PHYSICIAN and HOUSE SURGEON required on the 1st May. Salary £150 and £175 respectively. The appointment to be held for at least six months. The Hospital has 145 beds including 14 Private Wards and there are three Residents.

Applications, stating age, and accompanied by copies of three recent testimonials as to qualifications and experience should be sent to the undersigned not later than Thursday, the 14th April. A. E. COLLINS, Secretary.

Stafford, 31st March, 1938.

County of Kent.

ASSISTANT TUBERCULOSIS OFFICER (Male).

Applications are invited for the above-mentioned whole-time appointment on the staff of the Public Health Department.

The duties will include attendance at dispensaries and such other work as may be assigned from time to time.

The salary is at the rate of £600 a year rising, subject to satisfactory service, by annual increments of £25, to a maximum of £750 a year, with subsistence and travelling allowances according to the County Council's Scale.

The officer appointed will be required to reside in such part of the County as may be directed.

The post is designated as an established one under the Local Government and Other Officers' Superannuation Act, 1928, and is terminable by three months' notice on either side. The successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications, and clinical experience, with special reference to practical experience in the diagnosis and treatment of tuberculosis, accompanied by copies of not more than three testimonials, must be received by the County Medical Officer of Health, Sessions House, Maidstone, not later than Wednesday, 13th April, 1938. No official form of application will be issued.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 28th March, 1938.

Coventry and Warwickshire Hospital,

COVENTRY.
(347 Beds.)

Applications are invited for the following appointments:—

1 CASUALTY OFFICER;
1 HOUSE PHYSICIAN;
2 HOUSE SURGEONS;
1 HOUSE SURGEON TO OPHTHALMIC DEPT.

Each appointment is for a period of six months commencing May 1st, and the Surgical and House Physician appointments carry a salary at the rate of £150 per annum, with full board. Candidates for the post of Casualty Officer must have had previous Hospital experience, if possible, and the salary will be from £150–£200 per annum, according to qualification and experience.

Applications, with full particulars and enclosing copies of testimonials, should be addressed to the undersigned and must be received not later than April 12th, 1938.

S. C. HILL, House Governor and Secretary.

N.B.—The Surgical appointments are recognised as qualifying posts in respect of the Fellowship Diploma of the Royal College of Surgeons of England, and the Ophthalmic appointment for the D.O.M.S.

28th March, 1938.

The Jessop Hospital for Women,

SHEFFIELD.
FIRTH AUXILIARY, NORTON.

Applications are invited for the post of RESIDENT MEDICAL OFFICER from registered Medical Practitioners.

The appointment will be for six months, commencing immediately, subject to renewal for a further six months, with salary at the rate of £150 per annum, plus board, residence, and laundry.

Previous Obstetrical experience is desirable.

The Firth Auxiliary Hospital contains 47 beds, of which 23 are set apart for the treatment of Puerperal Sepsis, the remainder being for Ante-Natal and Gynæcological cases.

Applications should be lodged with the undersigned addressed to the Jessop Hospital for Women, Sheffield, immediately.

DAVID OSWALD, Superintendent and Secretary.

The Royal Infirmary, Sheffield.

(500 Beds.)

The Board of Management invite applications for the post of HOUSE SURGEON TO THE EAR, NOSE AND THROAT DEPARTMENT. The salary attached to this post is £80 per annum, increasing after six months' service to £100 per annum, with board and residence.

The appointment will be tenable until 30th April, 1938. The successful candidate will be eligible for re-election to this or one of the other fourteen House appointments.

Applications, with copies of testimonials, to be sent to the General Superintendent and Secretary.

14th March, 1938.

North Staffordshire Royal Infirmary,

STOKE-ON-TRENT. (390 Beds.)

RESIDENT ANÆSTHETIST.

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

This appointment, which is recognised by the Royal College of Surgeons for the Diploma in Anæsthetics, will be made for six months, renewable.

Previous hospital Anæsthetic experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By Order,
W. STEVENSON, Secretary and House Governor.

28th March, 1938.

East Suffolk and Ipswich Hospital.

(350 Beds. 8 Residents.)

Wanted, 1st April, CASUALTY OFFICER (British—Male). Salary at the rate of £144 per annum, with board, apartments, and laundry.

Applications, together with copies of three recent testimonials, to be sent to the undersigned immediately.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 19th March, 1938.

Swansea General and Eye Hospital.

(336 Beds.)

HOUSE PHYSICIAN wanted, Gentleman. Single. Salary £150 per annum, with board, residence, and laundry. Appointment for six months. Duties to commence early April.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

The Mount Vernon Hospital,

NORTHWOOD, MIDDLESEX.
(For the Treatment of Cancer.)

There will shortly be a vacancy for a HOUSE SURGEON. Candidates must be fully qualified and registered. Salary at the rate of £150 per annum, with board, residence, &c. Six months' appointment.

Applications, accompanied with testimonials, to be sent to the undersigned. W. J. MORTON, Secretary.

Offices, 32, Fitzroy-square, W.1.

Surrey County Council.

SURREY COUNTY SANATORIUM.

APPOINTMENT OF FIRST ASSISTANT MEDICAL OFFICER (Non-resident).

Applications are invited from registered Medical Practitioners for the above post.

The Sanatorium, which is at MILFORD, near GODALMING, has at present 300 Beds, but plans are being prepared for an addition of 48 Beds. The Medical Staff consists of Medical Superintendent, Deputy Medical Superintendent, and 3 Assistant Medical Officers.

Candidates must possess wide experience in the diagnosis and treatment by modern methods of Pulmonary Tuberculosis. Practical experience in modern operative methods will be considered an advantage.

There are no resident quarters at present available and the holder of the appointment would be required to live outside in the neighbourhood of the Sanatorium.

The successful candidate will be required to give his whole time to the duties of the appointment. He will be on the Established Staff of the County Council and the appointment will be subject to the Staffing Regulations of the County Council and to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

The appointment is subject to satisfactory medical examination and is terminable by three months' written notice on either side.

The salary is at the rate of £570 a year, rising by annual increments of £25 to £670 a year, plus meals and lodging when on duty valued at £30 per annum.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be addressed to the County Medical Officer, County Hall, Kingston-on-Thames.

The last day for receipt of applications is Wednesday, 13th April.

Canvassing directly or indirectly will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

28th March, 1938.

Northampton County Mental Hospital.

Applications are invited for the post of DEPUTY MEDICAL SUPERINTENDENT (Senior Assistant Medical Officer) at the County Mental Hospital, Berrywood, near Northampton.

Candidates must be registered Medical Practitioners, possessing a Diploma in Psychological Medicine or its equivalent, and must have had Mental Hospital experience.

Preference will be given to candidates who have special knowledge of and experience in the Insulin Shock Treatment of Schizophrenia. Research is encouraged and a well-equipped laboratory with trained assistant is provided.

Salary £600, rising by £25 annually to £700 and £50 for the D.P.M. with unfurnished house, light, laundry, and garden produce valued at £100 yearly for superannuation purposes.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909. Applications, stating age and experience, together with copies of not more than three recent testimonials, to be sent not later than 14th April to the Medical Superintendent.

Manchester Royal Eye Hospital.—

OUT-PATIENT MEDICAL OFFICER required on the 9th April. Salary £200 per annum. Morning work only. Applicants must be fully qualified Medical Practitioners and must also have a good knowledge of Refraction work. Particulars of appointment can be obtained on request.

Applications, with copies of recent testimonials, to reach the undermentioned as early as possible.

H. R. NORTH, General Supt. and Secretary.

City of Manchester.

CRUMPSALL HOSPITAL. (1543 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

The salary for the appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Town Hall, Manchester 2, and applications for the post must be received by him not later than 9th April, 1938.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 28th March, 1938.

Derbyshire Royal Infirmary, Derby.

(General Hospital. 362 Beds.)

(Recognised under F.R.C.S. Regulations.)

Applications are invited for the post of HOUSE PHYSICIAN, who must be a Male of British nationality, and unmarried.

Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c.

Applications, with copies of testimonials, to be sent to the undersigned.

ARTHUR TAYLOR, Superintendent and Secretary.

28th March, 1938.

District Infirmary, Ashton-under-Lyne.

(200 Beds.)

RESIDENT SURGICAL OFFICER required about April 19th. Six months' appointment, with possibility of renewal. Salary at the rate of £200 per annum, with the usual residential emoluments.

Applications, with testimonials, to be sent to:—

FRANK OLIVER, General Superintendent and Secretary.

West Kent General Hospital

(Incorporated),
MAIDSTONE. (135 Beds.)

Applications are invited for the post of HOUSE SURGEON, who must be a Male of British nationality, and unmarried.

Salary at the rate of £175 per annum, with board, apartments, and laundry.

Candidates must possess registered qualifications.

Applications, stating qualifications and experience, together with copies of testimonials, should be sent to the undersigned on or before 9th April, 1938.

The successful candidate will be required to take up residence in early April.

EDWARD J. GREGG, House Governor and Secretary.

Pontefract General Infirmary (Yorks).

SENIOR RESIDENT MEDICAL OFFICER (Male, unmarried), duly qualified registered Medical Practitioner, with some previous surgical experience as hospital resident. Salary £175 per annum. The appointment is for six months.

Applications, stating age, with testimonials, and nationality, to be sent to the undersigned at once.

DAVID J. RICHARDS, Secretary-Superintendent.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

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Secretary-Nurse Receptionist, aged 25, S.R.N., S.C.M. Trained theatre nurse. Knowledge shorthand, typewriting, French. Requires post in London or abroad.—Address, No. 388, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Doctor, highly qualified, with fifteen years' experience, wishes post in private Mental Home in or near London. Would undertake management, or accept post with view to partnership.—Address, No. 389, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

M.B. Lond., 7 years' experience Hospital and General Practice, seeks good-class Practice in town in south or south-west, or Partnership with early succession. Available September–October. Good house required. —Address, No. 390, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Wanted, a young Physician or General Practitioner, interested in physiotherapy, to succeed to a West End practice averaging over £4000 per annum. No premium. Qualifications must be derived from Cambridge, Oxford, or Scottish universities. Only condition is the renting of a consulting room.—Address, No. 386, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

West of England. — Two Outdoor Country Town ASSISTANTSHIPS with view to Partnership; also several PRACTICES.—BECKTON'S MEDICAL AGENCY, 18, Dix's Field, Exeter.

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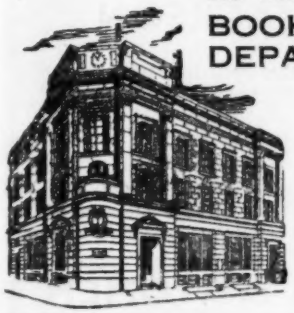

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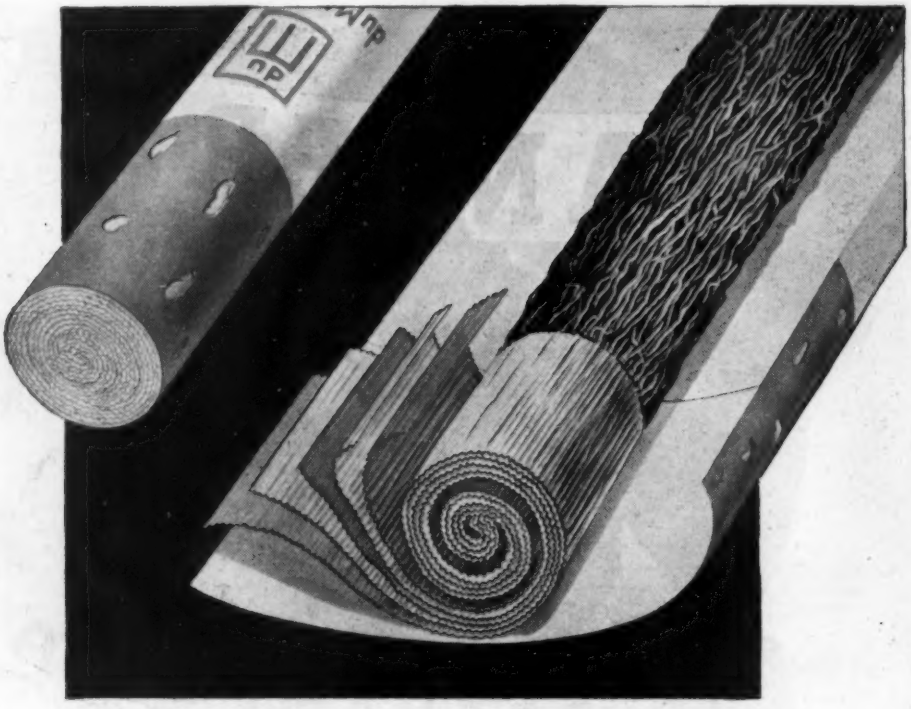

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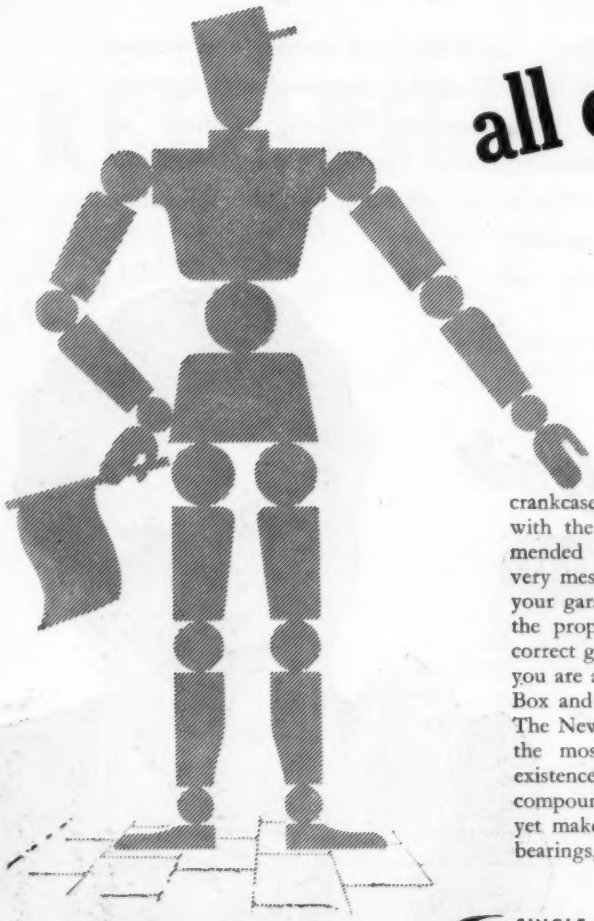

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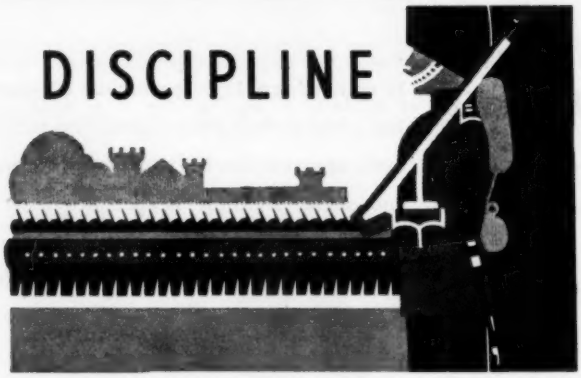

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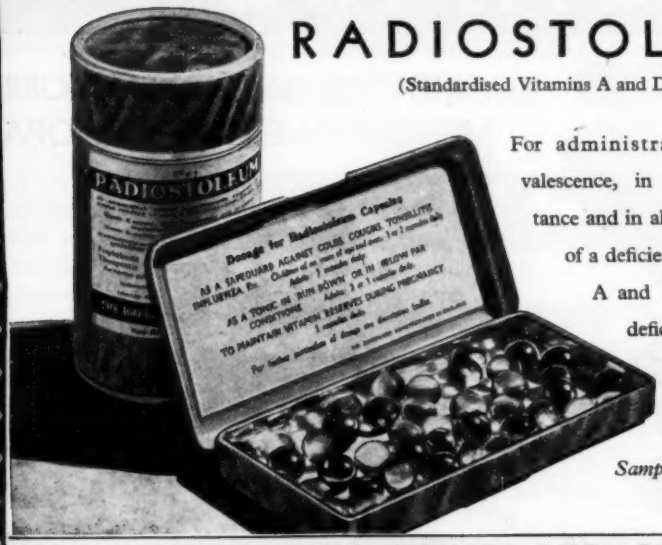

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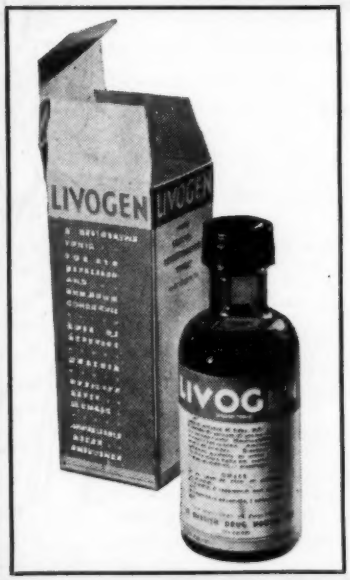
Literature on request.

MARTIN H. SMITH CO -- NEW YORK, U.S.A.

THOS. CHRISTY & CO. LTD., 4, OLD SWAN LANE, LONDON, E.C.4

Agents for Great Britain and Ireland



For Spring-time Lassitude

The administration of Livogen, with its measured content of Vitamn B_1, liver extract and hæmoglobin overcomes anorexia, reinstates normal peristalsis, restores vitality and dissipates that condition of lassitude and inertia so frequently encountered in the early days of spring.

LIVOGEN

Sample on request

THE BRITISH DRUG HOUSES LTD.

LONDON N.1

Lgn/S/57

PNEUMONIAS

★DEATH RATE MORE THAN HALVED

by intramuscular injections of

'SOLVOCHIN' TRADE MARK BRAND — 25% AQUEOUS QUININE SOLUTION

and

'TRANSPULMIN' TRADE MARK BRAND — QUININE-CAMPHOR-VOLATILE OILS

★ *Such are the findings of Cahn-Bronner—"Medical World"* xxviii, *No.* 25, 1928.

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Homburg

"ALOCOL"

Colloidal Hydroxide of Aluminium

Rational Antacid Therapy

APART from those cases due to actual organic disease, the treatment of the syndrome of symptoms known as indigestion, generally resolves itself into an attempt to overcome hypersecretion of acid and to soothe the irritated or inflamed gastric mucosa.

That "Alocol" possesses intrinsic qualities which render it particularly valuable as a gastric sedative and antacid is now well established. Its freedom from the constipating effect of bismuth, the laxative action of magnesium salts and the gas-forming properties of sodium bicarbonate are especially noteworthy.

"Alocol" forms with the gastric contents a colloidal jelly which has the power of adsorbing free hydrochloric acid. Its markedly soothing effect on the gastric mucosa promptly relieves pain and discomfort. It does not interfere with the normal process of digestion and is free from the danger of "alkalosis."

Indian.
Sarasvati playing the Vina.
(12th Century.)

Complete chemical history of "Alocol," with convincing clinical reports and supply for trial, sent free to physicians on request.

A. WANDER, LTD., Manufacturing Chemists,
184, Queen's Gate, London, S.W.7.
Works and Laboratories:
KING'S LANGLEY, HERTFORDSHIRE.

M256

ALASIL

Safe Salicylate Therapy

THE popularity of acetyl-salicylic acid is undoubtedly due to the fact that it is one of the safest and most effective non-narcotic analgesics available. Too often, however, its use has been discarded by the physician on account of its tendency to irritate the stomach and because entirely pure preparations are not always available.

"Alasil" provides the beneficial therapeutic effects of pure acetyl-salicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines calcium acetyl-salicylate—the least irritating salicylate compound—with "Alocol," a potent gastric sedative and antacid.

Since "Alasil" is better tolerated than acetyl-salicylic acid its use can be pushed or prolonged to a much greater extent than the latter. "Alasil" is, therefore, an analgesic, antipyretic, and anti-rheumatic, which can be employed with complete confidence in all the many conditions in which such an agent is indicated.

A supply for clinical trial with full descriptive literature sent free on request:

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M267

Disease-emaciation

"EVERY medical practitioner knows how difficult it is to nourish a patient suffering from disease-emaciation. . . . Do we not all recognise the fact that the starving tissues are fed, not by the food swallowed by the patient, but by the amount of nutrient matter absorbed by the gastric and intestinal mucous membrane? If we could ensure the absorption of nutriment into the blood, the problem of nutrition in disease would be reduced to a matter of mere chemistry and mechanical feeding. . . . Judging from clinical results, 'Sanatogen' appears in many cases to possess some power of ready absorbability, without which the richest foodstuff represents simply so much foreign matter in the stomach and intestines. . . . My own experience of 'Sanatogen'. . . is that it stays the diarrhœa —ten or twelve motions a day are thereby reduced to one or two; it stops vomiting, and it improves general conditions and causes the patient to put on flesh."

"NUTRITION IN WASTING DISEASES OF CHILDREN AND ADULTS"
(*Medical Press and Circular*)

"THIS condition, which results from imperfect digestive or absorptive power, or which may follow stomatitis, pyloric stenosis, deformity of the tongue or palate, tuberculosis or syphilis, is most frequently associated with improper feeding. Fats in such cases are not well tolerated, but the contrary is true with respect to proteids. . . . The use of 'Sanatogen', in these cases, proved so satisfactory that we have been encouraged to try it in other cases of infantile atrophy, and have had almost equally pleasing results in a number of patients suffering from this condition. It is quite apparent that 'Sanatogen' has considerable power in influencing nutrition. . . ."

"INFANTILE ATROPHY"
(*Practitioner*)

"I HAVE before me the records of forty cases fed with 'Sanatogen'. They show, what was obvious to myself and the nurses when watching the cases, that these patients wasted less during the acute stage, and picked up more rapidly during the convalescent stage, than patients who did not have 'Sanatogen'. This fact, indeed, was soon recognised by the ward sister, without my having in any way drawn her attention to it. . . . I am firmly convinced that it is a most valuable food for the typhoid patient."

"THE TREATMENT OF TYPHOID FEVER"
(*Medical Times*)

SANATOGEN

DOSAGE: For children and adults two teaspoonfuls three times daily, or according to circumstances. For infants ½ teaspoonful added to each bottle feed.

Sold by all chemists price 2/3 to 19/9

Clinical samples and literature available on request to

GENATOSAN LIMITED, LOUGHBOROUGH, LEICESTERSHIRE

REPORTS AND ANALYSES

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(MOUSSEC LTD., 175–6, PICCADILLY, W.1)

THIS is a sparkling wine of the champagne type prepared from imported grape must and fermented in this country by suitable selected champagne yeasts. The treatment of the wine during and after fermentation is the same as carried out in the well-known wine houses in France. When analysed the following results were obtained :—

Alcohol (by volume)	12·0	per cent.
Equivalent to proof spirit	20·65	"
Total extractives	3·93	"
Consisting of—		
Invert sugar	1·97	"
Cane sugar	0·29	"
Fixed acidity (as tartaric acid)	0·51	"
Mineral matter, &c.	1·16	"
Volatile acidity (as acetic acid)	0·06	"

The wine has the appearance, composition, and general properties of an ordinary dry French champagne. It is light and pleasant to the palate, and has an agreeable aroma. The manufacturers would seem to have succeeded in making, in this country, an attractive and wholesome wine closely resembling the imported product.

THE LANCET, JULY 6, 1935

• When convalescents need a *pick-me-up*

Moussec can be recommended with confidence. Moussec is sparkling wine produced from selected champagne grapes, fermented and matured in this country by the authentic champagne process. A special process of refinement gives to Moussec a purity and digestibility specially suited to invalids. It provides the valuable stimulus of champagne at an everyday price. The shilling "baby" bottle, which fills one champagne glass, provides daily Moussec in convenient form and keeps the wine keen and full of life until wanted for use. (Other bottlings up to 6/6).

MOUSSEC

• MOUSSEC LIMITED · 175, PICCADILLY · W.1

To add to the value of Milk

Milk is recognised as one of the "protective foods"—that is why the Chief Medical Officer to the Board of Education has described the day when the Milk Scheme was introduced as a red-letter day in the history of School Hygiene.

Milk is one of the richest dietary sources of those important minerals Calcium and Phosphorus. The part played by these elements in promoting the sound growth of bones and teeth and in giving a healthy tone to muscles, nerves and capillaries, is well known. But it is also known that Calcium and Phosphorus cannot be fully absorbed where there is a deficiency of vitamin D in the diet.

Milk, especially winter milk is, in common with most foods, a comparatively poor source of Vitamin D. To derive the full benefit from the glass of milk therefore a capsule of Crookes Halibut Oil—a reliable and carefully standardised preparation—should be taken also. This will ensure that the valuable mineral constituents of the milk—the constituents that give it a peculiar character as a health food shall be made available to the body.

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(p-aminobenzenesulphonamide Evans)

For oral administration

The value of STREPTOCIDE in

PUERPERAL FEVER

is fully described in a report to the THERAPEUTIC TRIALS COMMITTEE
(*vide* LANCET, Nov. 27th, 1937, and Dec. 4th, 1937)

OTHER INDICATIONS INCLUDE:

ERYSIPELAS STREPTOCOCCAL MENINGITIS
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B. COLI AND GONORRHŒAL INFECTIONS
OF THE GENITO-URINARY TRACT

STREPTOCIDE is issued in tablets as follows:—

	0.5 grm. (7½ grains)	0.25 grm. (3¾ grains)
In bottles of 25 Tablets ...	**2/-** ...	**1/9**
,, 100 ,, ...	**6/6** ...	**5/3**
,, 250 ,, ...	**15/-** ...	**10/-**

and in folded powders

In boxes of 12 (**0·25** grm.) **2/6** per box. In boxes of 12 (**0·5** grm.) **3/3.**

STREPTOCIDE OINTMENT

(contains 5% of p-aminobenzenesulphonamide Evans)

For use in infected conditions of the skin, particularly when due to hæmolytic streptococci; in chronic ulcerative conditions and in rashes of the scarlatinal type.

Issued in 2-oz. collapsible tubes - - **2/3** each

Made in England at
EVANS BIOLOGICAL INSTITUTE
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Evans Sons Lescher & Webb Ltd.
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Bowel Treatment of Surgical Cases

THE use of purgative agents before operation is now disfavoured by many surgeons who prefer the patient to have a short preparatory course of lubrication therapy. " Cristolax " is advocated for its lubricant and gentle laxative effect as well as its digestive and nutritive value. Clinical experience has definitely proved its worth.

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" Cristolax " is medicinal paraffin of the highest purity and correct viscosity, so skilfully combined with " Wander " Dry Malt Extract that all unpleasant oiliness is entirely eliminated. Its routine use during convalescence restores normal bowel action.

'CRISTOLAX'
BRAND
MALT EXTRACT WITH PARAFFIN
Lubricant-Laxative-Nutrient-Digestive

A liberal supply for clinical trial sent free on request.

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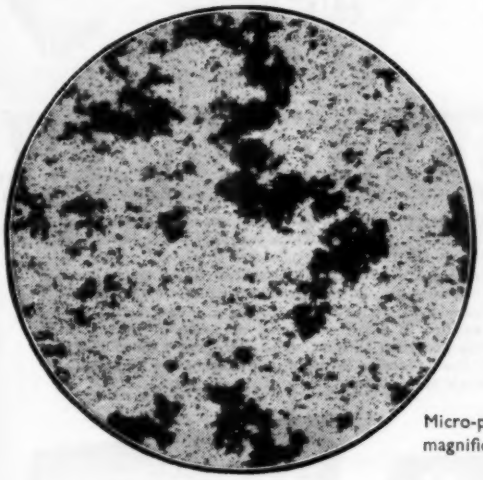
Laboratories and Works: King's Langley, Herts.

Design from Greek Vase.

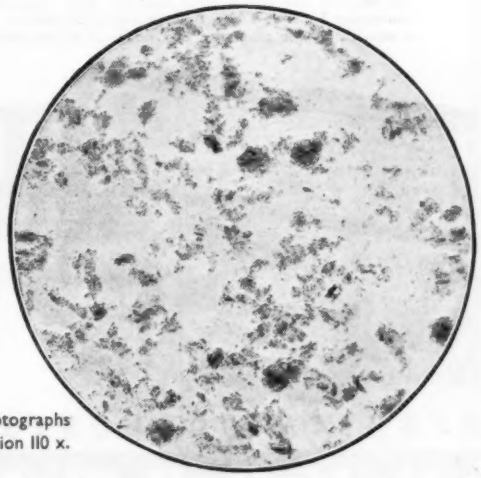
A Girl dancing with Castanets in the presence of a Youth who is seated playing the Flute.

Visual evidence of the minute sub-division of 'BiSoDoL'



An antacid powder compounded by ordinary methods.

Micro-photographs magnification 110 x.



'BiSoDoL' reduced to fine sub-division by special processes in compounding.

Comparison shows a remarkable distinction in the state of sub-division between an ordinary antacid powder and 'BiSoDoL.'

'BiSoDoL' is composed of Bismuth Subnitrate, Magnesium Carbonate, Sodium Bicarbonate, Papain, Diastase and Peppermint Oil, compounded by a special process. It conforms to the most recent demands of modern gastro-intestinal therapy.

'BiSoDoL' can be recommended with confidence in all conditions involving hyperacidity.

Samples for clinical trial will gladly be sent on request.

BiSoDoL REGD.

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GONAD STIMULATING HORMONES

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Prepared from pregnant mares' serum and contains the follicle stimulating hormone. Excellent clinical results have been obtained in the treatment of Amenorrhoea either alone or in conjunction with Physostab. (*Brit. Med. Jnl. 1937, ii, 804*) Supplied in boxes containing ampoules of 100 mouse units together with ampoules containing 1 c.c. of 0.90% Sodium Chloride Solution as a solvent. Single ampoules and boxes of 6 ampoules.

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Prepared from human pregnancy urine and contains the luteinizing hormone. Of especial value during the second half of the menstrual cycle when it stimulates the production of corpora lutea. Excellent clinical results have been obtained in the treatment of metrorrhagia, undescended testicles and dystrophia adiposo-genitalis. Supplied in boxes containing ampoules of 100 mouse units, together with ampoules containing 1 c.c. of 0.90% Sodium Chloride Solution as a solvent for Physostab. Single ampoules and boxes of six ampoules.

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OVOSTAB

An oily solution of ovarian hormone for intramuscular injection in the treatment of Amenorrhoea, the Menopause, Chronic Mastitis and cases of Ovarian Deficiency. Supplied in 1.1 c.c. ampoules containing 2,000, 10,000 and 50,000 International Benzoate Units per c.c. Single ampoules and boxes of six ampoules. Ovostab tablets (Oestrone) are available for oral use. 1,000 and 10,000 International Units per tablet. Bottles of 25.

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LITERATURE SENT ON REQUEST

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It is most efficiently applied by means of a tampon of . . .

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With its 45% glycerine content, its iodine, boric and salicylic acids and essential oils, rendered plastic and penetrating in a vehicle of hygroscopic silicate of aluminium, its formula is unusually suitable.

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THE BUILDING BLOCKS OF LIFE

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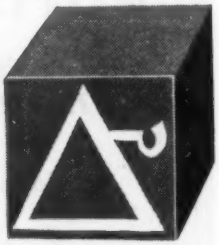
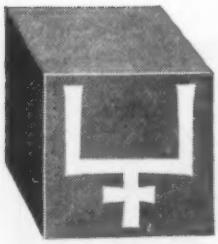
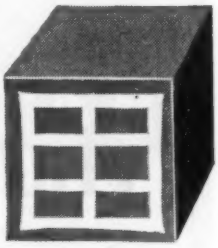
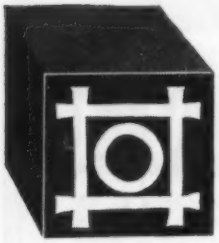

ALKALI

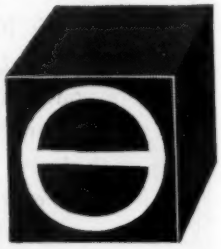

POTASSIUM


WATER

Foods, the building blocks of life, are not devoid of demands upon the organism. Some of them, necessary for cell-growth and repair, produce an acid residue that must be neutralized

Normally, the alkaline ash foods are adequate for this purpose. But when acidosis complicates disease, food is not enough. The administration of alkalies is necessary.


URINE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Acidosis of the non-ketogenic type readily yields to alkalization with Alka-Zane, as it supplies sodium, potassium, calcium and magnesium in proper proportions for quickly replenishing and efficiently maintaining the alkali reserve.

Alka-Zane contains carbonates, phosphates and citrates only — no tartrates, lactates or sulphates and no sodium chloride.

Alka-Zane is supplied in 4-oz. bottles.

WILLIAM R. WARNER & CO. LTD.
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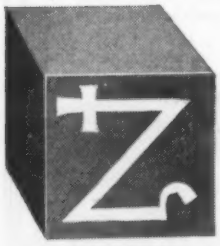
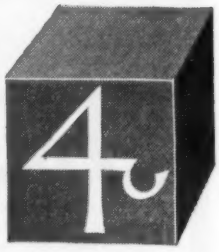

CALCIUM


ALKALINE SALT

The symbols depicted above were among those used in antiquity.

Alka-Zane *for* Acidosis

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GLANOID

'PROETHRON'

CONCENTRATED LIVER LIQUID

IN THE TREATMENT OF MACROCYTIC ANÆMIAS, THE PARENTERAL ADMINISTRATION OF 'PROETHRON' PROVIDES A HIGH CONCENTRATION OF THE ANTI-ANÆMIC PRINCIPLE OBTAINED FROM FRESH CALF LIVER

SUPPLIED IN 2 c.c. AMPOULES
AVERAGE MAINTENANCE DOSE 2 c.c. FORTNIGHTLY

PRICE **6/6** PER BOX OF 6 AMPOULES

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A new test for Tuberculosis

TUBERCULIN PATCH TEST

(VOLLMER)

Lederle

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Among the significant advances in tuberculin testing is Vollmer's development of the *tuberculin patch test.* This test, which has been shown by clinical trial to be at least as reliable as the Pirquet test, possesses the important advantage of insuring co-operation of the patients, especially in the cases of children.

The patch is applied for 48 hours and read 24 hours later. By eliminating pain, elaborate preparation in the sterilisation of instruments, etc. trauma to the skin and other inconveniences attending the use of instruments, the performance of the test avoids exciting nervous patients.

The method is ideally suited to the testing of large groups. It is simple, safe and time-saving. A focal or general constitutional reaction has not been known to follow the application of the test. It is available for immediate use at a moment's notice.

"TUBERCULIN PATCH TEST (VOLLMER) *Lederle*" is available in packages of 1, 10 and 100 tests.

Chas. F. Thackray LTD

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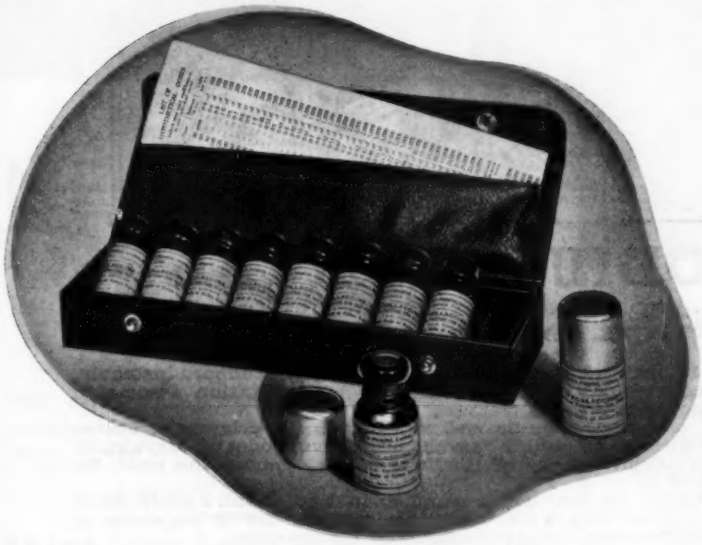
Telephone Telegrams and Cables "Regent 1884 London"

Agents for Eire WILCOX JOZEAU & CO 19 Temple Bar Dublin



'Pollaccine' is available in outfits of eight, 8 c.c. vials, in strengths ranging from 100 to 20,000 units of pollen-toxin per c.c., and also in single 10 c.c. vials, and 1 c.c. ampoules in various strengths.

'POLLACCINE'

for Hayfever

Patients who are susceptible to hayfever during the summer months can be rendered relatively immune to attacks by a course of injections of pollen vaccine, given during the spring.

For those patients who have not yet commenced the prophylactic course, it will be necessary to give doses at comparatively short intervals in order to permit the attainment of a dose sufficiently large to confer adequate immunity.

'Pollaccine' is prepared in the Inoculation Department of St. Mary's Hospital, London (Founder, Sir A. E. Wright, M.D.), from the pollen of timothy grass (*Phleum pratense*). The toxins contained in the pollens of various grasses are so similar that 'Pollaccine' is the correct antigen for all true hayfever.

Further particulars concerning 'Pollaccine' and its prophylactic application will be sent on request.

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Laboratories: Hounslow, Middlesex. *Inc. U.S.A., Liability Ltd.*

TRADE MARK **'SODIUM AMYTAL'** BRAND

SODIUM ISO-AMYL ETHYL BARBITURATE

SEDATIVE, HYPNOTIC, ANTICONVULSANT

● Indicated in obstetrics, pre-operative medication, stubborn insomnia, seasickness, convulsions of tetanus, and cerebral irritation associated with brain concussion or skull fracture.

Where oral administration is not feasible as in eclampsia, status epilepticus, delirium or manic psychosis, convulsions of strychnine poisoning, the parenteral use of 'Sodium Amytal' meets the need for immediate relief.

'Sodium Amytal' for oral use is supplied in 1 grain and 3 grain filled capsules in bottles of 40 and 500, and for parenteral use in ampoules of 1·0 gramme, 0·5 gramme, 0·25 gramme, and 0·125 gramme.

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Distributing Agent in Britain for

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Liver Therapy

NEO-HEPATEX

(Parenteral)

For intramuscular and intravenous use

Clinically tested

The remarkable efficiency of Neo-Hepatex provides fully adequate dosage in small volume

Issued in boxes : 6×1 cc., 5/3 ; 6×2 cc., 8/- ; 3×4 cc., 7/-
Products of Evans Biological Institute

Evans Sons Lescher & Webb Ltd.
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May be specified on N.H.I. Prescriptions

'Elastoplast' occlusive wound dressings will simplify considerably your casualty work in panel practice.

They are occlusive, elastic and adhesive, are medicated with boric acid and conform to the requirements of the Drug Tariff. You will value the simplicity of 'Elastoplast' Wound Dressings as they can be used for all minor skin injuries with a great saving of your time. Supplied in sizes 1½"×2", 2"×3", 2½"×3½" and 3½"×4½". In cartons of three dressings.

Made in England by T. J. Smith & Nephew Ltd., Hull, Yorks.

Elastoplast Wound Dressings

TRADE MARK BRAND

elastic — adhesive — antiseptic

Milk can be monotonous

to the patient who is on a liquid diet, as the medical practitioner well knows.

There is a delicious alternative!

Allenburys Diet

A preparation which, made from full-cream milk and whole wheat, has a more varied composition than that of milk, is made easily assimilable by partial digestion during manufacture, and has an attractive flavour. This delicate flavour may be varied by the addition of Coffee, Cocoa, etc., if required.

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[*See also pp.* 9 & 11]

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The pure follicular hormone.

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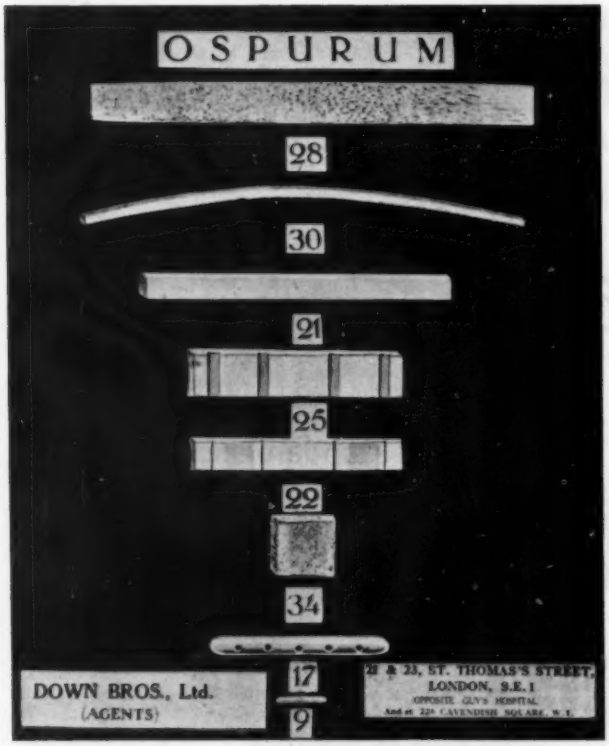

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Vide Surg. Gyn. Obst., January, 1938

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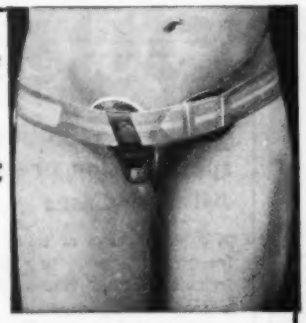

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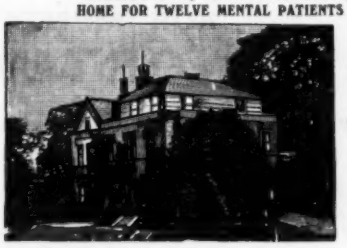

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This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. Terms 5 to 7½ Guineas a week inclusive.

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S.Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 2251.

SHAFTESBURY HOUSE

FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No.* 8 *Formby.*

PENDYFFRYN HALL SANATORIUM

PENMAENMAWR, NORTH WALES.

All Modern Methods of Treatment Available.

Ideally situated for the treatment of Tuberculosis. Sheltered from E. & N.E. winds. Climate mild and bracing. Low rainfall, high average of sunshine. The Sanatorium is situated in its own park. There are miles of graduated walks through pine, gorse and heather, rising to 1,000 ft., and commanding extensive sea and mountain views. Central heating, electric light, X-ray installation. Wireless in all rooms. Full day and night nursing staff. Special milk supply from a tuberculin tested herd. Easily accessible from LONDON (4½ hours), MANCHESTER, LIVERPOOL, BIRMINGHAM and the North.

Resident Physicians: **Dennison Pickering, M.D.; S. A. Yaffe, M.D.**

For particulars apply to the Secretary. Pendyffryn Hall, Penmaenmawr, North Wales. 'Phone 20

CALDECOTE HALL

NUNEATON
WARWICKSHIRE

('Phone: Nuneaton 241)

Residential treatment of

Functional Nervous Disorders

including Alcoholism and other Addictions
(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Functional Nervous Disorders by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." **33, PECKHAM RD., LONDON, S.E.5.** Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor. Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

THE CLINIC

20 Devonshire Place
London, W.1

Tel.: Welbeck 4444 (20 lines)

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.).
8 Operating Theatres.
150 State Registered Nurses.
2 Resident Medical Officers (for emergencies).

Patients only received under the supervision of their own Medical Practitioner.

Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

NORBRECK

NORBRECK HYDRO is the Complete Holiday Resort. You can look forward to a GLORIOUS HOLIDAY if you choose NORBRECK for it lacks nothing in the way of indoor and outdoor sports and attractions for the whole Family.
60 acres on the CLIFFS by the SEA. 650 Bedrooms: Dancing: Talkies: Cabarets: 18-hole GOLF Course: Tennis (23 Courts): Putting: Covered Sea water Swimming Pool: Bowls: Riding: Gym: Billiards: Table Tennis: Bridge & Whist: Tonic, Sun-ray & Med. Baths: Orchestra: Solarium; etc. *Special Programmes for Easter and Whitsun.*
Write to JAMES H. SHORROCKS (Mging. Dir.), for Illus. Folder and Terms. Phone; Blackpool North 81072.

HYDRO BLACKPOOL *The Family Hydro for all!*

DR. BINSWANGER SANATORIUM BELLEVUE

KREUZLINGEN
LAKE OF CONSTANCE — SWITZERLAND

for Nervous and Mental cases
as well as all kinds of addiction
(Insulin shock treatment)

Doctor in charge: DR. LUDWIG BINSWANGER
Prospectus on application to the Management

NEW LODGE CLINIC, WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a "team" of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, and functional and organic nervous disorders.

Particulars can be obtained on application to
The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* 181 & 182, Winkfield Row.

TOR-NA-DEE SANATORIUM
MURTLE, DEESIDE, ABERDEENSHIRE
FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (headphones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.
Telephone: Cults 107.

HOLLOWAY SANATORIUM, Virginia Water

A Registered Hospital for the Treatment of

Mental Disorders of the EDUCATED CLASSES

(Founded and Endowed by Thomas Holloway in 1885)

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses, as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

For Terms, apply to the Resident Medical Superintendent—

HENRY DEVINE, M.D., F.R.C.P., St. Ann's Heath, Virginia Water, Surrey

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studa Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**
Illustrated Brochure C.J. and full information on request.
Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

HARROGATE
FOR HEALTH

Harrogate specialises in the Treatment of—Disorders of the Liver—congestion, cirrhosis, jaundice, cholecystitis, cholelithiasis, and tropical liver. Also in Diseases of the Skin—eczema, psoriasis, the coccal infections of the skin, etc. The Chronic Rheumatic Diseases—Arthritis, Fibrositis, Neuritis; Gout, Hyperplasia, Mucous Colitis, Functional Disorders of the Heart, Pelvic Disorders of Women, Convalescence from acute illness.

A wide range of Sulphur and Iron waters is available for dealing with the large group of disorders amenable to Spa treatment. Prescribed diets for Spa patients can be obtained at hotels and boarding houses without extra charge. **Complimentary and reduced price facilities for the Cure, Accommodation and Amusements are available for Members of the Medical Profession.**

Full details of Harrogate for Cure and Holiday will be sent free upon application to Spa Manager, Information Bureau, Harrogate, 2, (state if a medical enquiry).

HARROGATE
THE MODERN SPA
"IT'S QUICKER BY RAIL"
Cheap monthly return tickets to Harrogate from all stations. Any train, any day.

ASHWOOD HOUSE
KINGSWINFORD, STAFFORDSHIRE
An old-established home-like Institution for the treatment of MENTAL AFFECTIONS in BOTH SEXES. Probationary cases and non-certified patients are received as well as those regularly certified.
Full particulars as to reception terms, &c., may be obtained from the Resident Medical Officer.

COURT HALL
KENTON, near EXETER
FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS
Large Gardens and Own Dairy
CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.
Resident Physicians—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.
Telephones—Starcross 59 and Teignmouth 289.

MALLING PLACE, KENT
For LADIES and GENTLEMEN of Unsound Mind
Terms moderate: Apply to Resident Medical Superintendent
Telegrams: ADAM WEST MALLING. Telephone: No. 2 MALLING

THE COPPICE, NOTTINGHAM.
HOSPITAL FOR MENTAL DISEASES.
President: The Right Hon. LORD BELPER.
This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.
Telephone: 64117 Nottingham

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.
A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.
Climate healthy and bracing.
Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

CHISWICK HOUSE,
PINNER, MIDDLESEX.
Telephone: PINNER 234.
A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.
A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.
DOUGLAS MACAULAY M.D., D.P.M

STRETTON HOUSE,
Church Stretton, Shropshire.
A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2368.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

PORTSMOUTH CITY MENTAL HOSPITAL
Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.
Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

BROOKE HOUSE, CLAPTON
A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.
Voluntary, Temporary, and Certified Patients received.
For further particulars apply—
Dr. ERNEST ROLLINS, Resident Physician.
Tel.: Amherst 1642.

FENSTANTON
Christchurch Road, Streatham Hill, S.W.2
A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds
Apply: Dr. MADELINE R. LOCKWOOD,
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

The London Lock Hospital,

283, Harrow-road, W.9.

Applications are invited for a RESIDENT MEDICAL OFFICER (Male) to ALL DEPARTMENTS.

Candidates must be doubly qualified and duly registered. The appointment is for six months commencing 1st June; salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous Obstetric experience.

Applications enclosing copies (only) of three recent testimonials must be in the hands of the Secretary by first post on Friday, 29th April, and from whom any further particulars can be obtained.

Royal Chest Hospital, City-road, E.C.1.

(Royal Northern Group of Hospitals.)

Applications are invited for the following post:—

RESIDENT MEDICAL OFFICER (Male). Vacant 1st May for a period of seven months (subject to re-election). Salary at the rate of £150 per annum with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 15th April to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary, Royal Northern Hospital, Holloway, London, N.7.

The Royal Waterloo Hospital for

CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1938, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Wednesday morning, April 20th, to the Secretary at the above address, from whom further particulars can be obtained.

The Royal Waterloo Hospital for

CHILDREN AND WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY AND ORTHOPÆDIC HOUSE SURGEON.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty and Orthopædic House Surgeon to work in the Out-patient Department with care of Orthopædic beds. Salary at the rate of £150 per annum, with board and residence. The appointment is in the first instance for a period of six months.

Applications, with copies of testimonials, should be sent not later than Wednesday morning, April 20th, to the Secretary at the above address, from whom further particulars can be obtained.

The Samaritan Free Hospital for

WOMEN, Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months commencing May 1st next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, should be sent to the Secretary at the Hospital on or before Wednesday, noon, April 20th, 1938.

G. H. HAWKINS, Secretary.

University of London.

The Senate invite applications for the CHAIR OF ANATOMY tenable at the LONDON HOSPITAL MEDICAL COLLEGE. Salary £1000 a year.

Applications (12 copies) must be received not later than first post on 3rd May, 1938, by the Academic Registrar, University of London, Senate House, London, W.C.1, from whom further particulars should be obtained.

British Postgraduate Medical School.

Applications are invited for the post of FIRST ASSISTANT (non-resident) in the DEPARTMENT OF OBSTETRICS AND GYNÆCOLOGY in the above-named School. Special experience in Obstetrics and Gynæcology is required. The post will normally be whole-time. Salary £250 to £500 according to experience and qualifications.

Further particulars can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, to whom applications accompanied by two testimonials, and giving the names of two referees should be addressed, to arrive not later than first post on Tuesday, April 19th.

County Council of Middlesex

Central Middlesex County Hospital, Acton-lane, Willesden, N.W.10.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment.

Candidates must be registered Medical Practitioners, preferably with surgical experience, who have held resident appointments in a general hospital.

Salary £250 per annum, together with board, lodging, and laundry, valued at £100 per annum.

The appointment (which does not carry any superannuation rights, will be subject to medical examination and is terminable by one month's notice on either side) is for a period of six months in the first instance, and may be extended for an additional six months. The officer appointed will work under the direction of the Medical Superintendent and will devote his or her whole time to official duties.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 20th April. Application forms are not provided. Relationship to any member or officer of the Council must be disclosed in the application. Envelopes must be endorsed "Junior Assistant Medical Officer, Central Middlesex County Hospital."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1, 25th March, 1938.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter)
Fulham-road, London, S.W.3.

Applications are invited for the post of SECOND ASSISTANT PATHOLOGIST to commence duties on the 2nd May, 1938.

Salary £300 per annum. The appointment is for twelve months and subject to rules, a copy of which may be obtained from the Secretary.

Applications to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials, to be sent to the Secretary not later than the first post on Thursday, 14th April, 1938. CLEMENT COBBOLD, Secretary.

Metropolitan Hospital,

Kingsland-road, E.8. (150 Beds.)

There are vacancies for the following:—

(a) SENIOR HOUSE PHYSICIAN.
(b) SENIOR HOUSE SURGEON.
(c) JUNIOR HOUSE PHYSICIAN.
(d) JUNIOR HOUSE SURGEON.

Males. Salary £100 per annum.

Appointments in the first place will be for a period of six months dating from 1st May.

Candidates must possess a registered Medical and Surgical qualification of the United Kingdom.

Form of application must be obtained from the undersigned and returned duly completed by 14th April, 1938.

Two members of the Resident Staff are candidates for the two senior appointments.

Applications are also invited for the post of CASUALTY OFFICER AND RESIDENT ANÆSTHETIST for a period of six months dating from June 1st. Conditions as obtaining above. FRANK JENNINGS, House Governor and Secretary

West London Hospital,

Hammersmith, W.6. (239 Beds.)

An additional HONORARY REGISTRAR is required for the THROAT, NOSE, AND EAR DEPARTMENT. The appointment is for one year from 1st May next and, subject to annual re-election, may be extended for a period of not longer than three years.

Applicants must be duly qualified registered Medical Practitioners with previous experience in Oto-laryngology.

Applications, accompanied by copies of testimonials, must reach me not later than Thursday, 21st April. Candidates must attend a meeting of the Medical Council at 4.30 P.M. on Friday, 22nd April, and prior to that date call upon and send copies of their applications and testimonials to each member thereof. They must not canvass members of the Board, but nevertheless must send copies of their applications and testimonials to each member thereof and, if so notified, be in attendance at a meeting of the Board at 5 P.M. on Tuesday, 26th April, when the appointment will be made.

H. A. MADGE, Secretary.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in July, 1938.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list, and periods of unemployed of half pay are very rare. The assistance of private income is not necessary for the purpose of supplementing official pay and allowances.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1938.

Beit Memorial Fellowships for Medical RESEARCH.

Notice is hereby given that an election of JUNIOR FELLOWS will take place in July, 1938. The Fellows then elected will be required to begin work on October 1st. Junior Fellowships are normally of the annual value of £400 and the usual tenure is for three years; but candidates younger than those usually elected or whose promise for medical research must be mainly judged on work outside that field may be awarded a lower rate of £300 for the first two years. Candidates are asked to state whether they would be unable to accept this lower initial rate.

The Trustees are desirous of furthering research in Mental Diseases and in the general allotment of Fellowships will give some preference to a candidate proposing research on approved lines in that subject.

Applications from candidates should be received by May 14th though late entries will be accepted up to June 1st.

Forms of application and all information may be obtained by letter only addressed to :—

PROFESSOR T. R. ELLIOTT, M.D., F.R.S., Hon. Secretary,
Beit Memorial Fellowships for Medical Research, University College Hospital Medical School, University-street, London, W.C.1.

Hospital for Consumption and Diseases OF THE CHEST, Brompton, S.W.3.

The Committee of Management invite applications for the following posts :—

RESIDENT SURGICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Salary £150 per annum, with board and residence, and an additional £25 per annum for services in connexion with paying patients. The appointment is for twelve months, commencing 1st May, 1938.

ASSISTANT RESIDENT MEDICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Experience in Artificial Pneumothorax essential, and in Ear, Nose and Throat work desirable. Salary £150 per annum, with board and residence. The appointment is for six months, commencing 1st May, 1938.

HOUSE PHYSICIANS. There are three vacancies. The duties include work in the Out-patient Department and in the wards. One of the selected candidates will be appointed Assistant to the Tuberculosis Officer for the Local Tuberculosis Dispensary at the Hospital. The appointment is for six months, commencing 1st May, 1938, with an honorarium of £50.

Applications, with copies of testimonials, must reach the undersigned not later than Saturday, 16th April, 1938.

F. G. ROUVRAY, Secretary.

Brompton, April, 1938.

BOARD OF CONTROL ENGLAND AND WALES

The Board of Control (Lunacy and Mental Deficiency) invite applications from registered Medical Practitioners (Men and Women) for a vacant appointment as COMMISSIONER on the Board's Staff.

Candidates should be experienced in the care and treatment of persons suffering from mental disorder or mental defect.

The salary commences at £850 per annum and rises by 11 annual increments of £30 to £1180 and then to £1200 per annum. In the case of a candidate with special experience of the administration of mental institutions, the commencing salary may be advanced to a point, not exceeding £75 above the minimum of the scale.

The appointment will be subject to the usual Civil Service conditions as to pension, holidays, &c., and also, in the case of women, marriage. Subject to certain conditions, previous established service in a Mental Hospital or Mental Deficiency Institution can be aggregated with Civil Service for superannuation purposes.

Commissioners are required to devote their whole time to the Public Service.

Canvassing through members of Parliament or in other ways will render a candidate liable to disqualification.

Forms of application with further particulars of the appointment may be obtained from the Secretary, Board of Control, Metropole Buildings, Northumberland-avenue, London, W.C.2.

No application can be considered unless received on the prescribed form not later than 7th May, 1938.

Hospital for Consumption and Diseases OF THE CHEST, Brompton, S.W.3.

The Committee of Management invite Applications for the post of ASSISTANT PHYSICIAN. Applications, with copies of testimonials, must reach the undersigned not later than Monday, 9th May, 1938. Candidates must be Members (or have passed the qualifying examination for the Membership) of the Royal College of Physicians of London.

Applications should not be addressed to individual members of the Committee of Management.

F. G. ROUVRAY, Secretary.

Brompton, S.W.3, April, 1938.

Royal Northern Hospital, Holloway, N.7.—A vacancy occurs for a CLINICAL ASSISTANT in the EAR, NOSE, AND THROAT DEPARTMENT. Applications should be addressed to the Secretary.

Queen Charlotte's Maternity Hospital,

Marylebone-road, N.W.1.—Applications are invited from registered Medical Practitioners for the appointment of RESIDENT ANÆSTHETIST.

Duties to commence as soon as possible, appointment terminates on 30th June. Salary £100 per annum, with board, residence, and laundry allowance (4s. weekly).

Applications, stating age, and with copies of testimonials, should be sent to the Secretary.

H. B. STOKES, Secretary-Superintendent.

Royal Chest Hospital, City-road, E.C.1.

(Royal Northern Group of Hospitals.)

Applications are invited for the following post:—

HOUSE PHYSICIAN (Male). Vacant 1st June, for a period of six months. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 22nd April to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital, Holloway, London, N.7.

King Edward Memorial Hospital,

Ealing, W.13.
(145 Beds.)

Applications are invited for the following appointments:—
CONSULTING PHYSICIAN.
SECOND CONSULTING LARYNGOLOGIST.

Particulars may be obtained from the undersigned.

R. A. MICKELWRIGHT, House Governor.

Royal Chest Hospital,

City-road, E.C.1.

A vacancy occurs for a CLINICAL ASSISTANT on Monday and Thursday afternoons. Please address applications to the Secretary, GILBERT G. PANTER.

Dreadnought Hospital,

Greenwich, S.E.10 (SEAMEN'S HOSPITAL SOCIETY).—HOUSE PHYSICIAN required immediately for six months. Salary £110 per annum and a proportion of fees, with board, residence, and laundry. Candidates must be male and single.

Applications, with copies of three testimonials, to be sent in to the undersigned. F. A. LYON, Secretary.

1st April, 1938.

Queen Mary's Hospital for the East

END, Stratford, E.15.

HONORARY ASSISTANT SURGEON.

There is a vacancy on the Staff of this Hospital for an Honorary Assistant Surgeon (with charge of Out-patients).

Applications, accompanied by copies of testimonials, from Male candidates only, who must be Fellows of the Royal College of Surgeons of England, should be sent to the undersigned not later than Wednesday, the 27th of April, 1938.

RAPHAEL JACKSON, Major, Secretary.

Child Guidance Council.

FELLOWSHIPS IN PSYCHIATRY.

The Child Guidance Council offers Three Fellowships, each of £300, tenable for a year, for half-time work at the LONDON CHILD GUIDANCE CLINIC, 1 Canonbury-place, Islington, N.1.

Candidates should hold the Diploma in Psychological Medicine or show evidence of psychiatric knowledge up to a similar standard. Experience in Pediatrics or School Medical service will be regarded as an asset.

The Fellows will be expected to commence work in October this year.

Further particulars and forms of application may be obtained from the Secretary, Child Guidance Council, Woburn House, Upper Woburn-place, London, W.C.1.

Applications should reach the Secretary not later than 10th May, 1938, and should be accompanied by copies of three recent testimonials.

Borough of Brentford and Chiswick.

OPHTHALMIC SURGEON

Applications are invited from registered Medical Practitioners of recognised consultant and specialist status in ophthalmology for the position of Ophthalmic Surgeon in connexion with the Council's Health Centres. The successful applicant will be required to attend on one session a week during 42 school weeks, for the purpose of examining and advising patients referred to him by the medical staff of the School Medical and Maternity and Child Welfare Services.

The remuneration will be £2 12s. 6d. per session.

Canvassing will be a disqualification.

Forms of application and copies of terms of appointment may be obtained from Dr. R. C. Leaning, Medical Officer of Health, Town Hall, Chiswick, W.4, to whom applications accompanied by three recent testimonials and endorsed "Appointment of Ophthalmic Surgeon," must be delivered not later than the 23rd April, 1938.

JOHN SKINNER, Town Clerk.

Town Hall, Chiswick, W.4.

King's College Hospital Medical School,

Denmark Hill, S.E.5.

ADVANCED MEDICINE COURSE.

A Course in Clinical Medicine, Pathology, Morbid Histology, and Biochemistry suitable for M.D. and M.R.C.P. Examinations will be given for seven weeks, commencing on May 18th.

The Class is limited in number. Applications should be made as soon as possible to the Secretary of the Medical School, King's College Hospital, Denmark Hill, London, S.E.5.

The next Course will be held from February to April, 1939.

The Royal Waterloo Hospital for

CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There is a vacancy for the post of HONORARY SURGICAL REGISTRAR at the above Hospital. Candidates must be Fellows of the Royal College of Surgeons, and would be expected to call upon members of the Honorary Medical Staff, a list of whom would be furnished on request. Preference will be given to candidates having had experience of special departments.

Particulars regarding the appointment can be obtained from the undersigned, to whom applications should be sent, not later than April 26th, 1938, with not more than three recent testimonials. J. H. TEASDALE, Secretary.

The Hostel of St. Luke

(CLERGY NURSING HOME), 14, Fitzroy-square, London, W.1.

The Committee of Management invite applications for the post of RESIDENT MEDICAL OFFICER (Male) to the above Hostel.

Candidates must have had previous experience as House Surgeon at a General Hospital. The appointment is for six months, and may be renewable for a further period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry. A fortnight's holiday will be allowed every six months, and the Locum will be paid by the Committee of the Hostel.

Applications, with three recent testimonials, should be addressed to the Secretary of the Hostel at 14, Fitzroy-square, London, W.1, and reach him before 23rd April. The successful applicant will be required to take up his duties on 2nd May.

The Willesden General Hospital,

Harlesden-road, N.W.10.

Applications are invited for the appointment of CLINICAL ASSISTANT (HONORARY) to the MEDICAL OUT-PATIENT DEPARTMENT (Tuesday afternoon session).

Applications should be forwarded to the Secretary, from whom further details of the appointment may be obtained, and should be received not later than first post on Wednesday, 20th April, 1938.

King Edward Memorial Hospital,

Ealing. (145 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to act in the EYE, GYNÆCOLOGICAL AND EAR, NOSE, AND THROAT DEPARTMENTS. Six months' appointment from May 1st, 1938, with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, and accompanied by copies of two recent testimonials, to be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

County Borough of Croydon.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from qualified Medical Practitioners for the above appointment. Applicants must be Medical Men holding a special qualification in State Medicine, or a Diploma in Public Health, and must have had three years' experience of the Practice of Medicine since obtaining their medical qualifications.

Preference will be given to applicants who—

(a) Have had some definite experience of School Medical work;
(b) Have enjoyed special opportunities for the study of the diseases in children;
(c) Have had experience in Infectious Diseases; and
(d) Have held one or more Resident Hospital appointments.

The candidate appointed will be required to produce a recent satisfactory medical certificate of health, and to devote the whole of his time to the duties of the office.

The salary will be £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum. The post is designated under the Local Government and Other Officers' Superannuation Act, 1922.

Application forms may be obtained from the Medical Officer of Health, Town Hall, Croydon, and should be returned to him, accompanied by copies of not more than three testimonials of recent date, not later than 11 A.M. on Tuesday, 19th April, 1938.

E. TABERNER, Town Clerk.

Town Hall, Croydon, 4th April, 1938.

PHYSIOLOGY AND HYGIENE

Wanted from September Visiting

LECTURER (Man or Woman) in Physiology and Hygiene for women students of Physical Education. Degree or medical qualifications essential.

Applications should be addressed to the Principal, Bergman Osterberg College, Dartford, and should state qualifications and previous experience in teaching or coaching.

The London Chest Hospital,

Victoria Park, E.2.
('Bus, Tram, and Rly., Cambridge Heath, L. & N.E. Rly.)

SURGICAL REGISTRAR (Male).
(Part-time.)

Applications are invited for the above post. The appointment will be for a period of one year with eligibility for re-election for a maximum period of three years.

Honorarium £225 per annum.

Applications, with copies of three testimonials, should be sent to the undersigned from whom further particulars may be obtained, on or before Tuesday, May 3rd, 1938.

THOMAS BROWN, Secretary.

The London Chest Hospital,

Victoria Park, E.2.
('Bus, Tram, and Rly., Cambridge Heath, L. & N.E. Rly.)

MEDICAL REGISTRAR (Male).
(Part-time.)

Applications are invited for the above post. The appointment will be for a period of one year with eligibility for re-election for a maximum period of three years.

Honorarium £175 per annum.

Applications, with copies of three testimonials, should be sent to the undersigned from whom further particulars may be obtained, on or before Tuesday, May 3rd, 1938.

THOMAS BROWN, Secretary.

County Council of Middlesex.

ASSISTANT DENTAL OFFICER.

Applications are invited for the above appointment on the pensionable staff. Applicants must be fully qualified and registered Dental Surgeons.

The duties of the post include the dental inspection and treatment of school-children and of women and young children under the Maternity and Child Welfare Scheme.

The officer appointed will be required to devote his whole time to the duties of the post, will not be allowed to engage in private practice, and will work under the supervision of the County Medical Officer and of the Senior Dental Officer.

Salary £500 per annum, rising by annual increments of £25 to £700, together with out-of-pocket travelling expenses while on duty.

The appointment will be held during the pleasure of the Council and terminable by one month's notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 30th April, 1938. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Assistant Dental Officer."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Middlesex Guildhall, Westminster, S.W.1, 1st April, 1938.

Metropolitan Borough of Stepney.

Applications are invited for the appointment of TUBERCULOSIS OFFICER AND ASSISTANT MEDICAL OFFICER OF HEALTH of the Borough. The person appointed will also be required to carry out such other duties as the Council may from time to time direct.

The person to be appointed must possess the qualifications prescribed by the Local Government (Qualifications of Medical Officers and Health Visitors) Regulations, 1930, together with the Diploma of Public Health, with not less than two years' experience in a sanatorium or other Tuberculosis institution or otherwise in whole-time work in relation to Tuberculosis. He must be experienced in the induction of artificial pneumothorax treatment which he will be required to undertake.

The salary will be at the rate of £750 per annum, rising by seven annual increments of £25 and one final increment of £12 10s. to a maximum salary at the rate of £937 10s. Such salary will be an inclusive one.

The person to be appointed will be required to devote the whole of his time to the duties of the office, and act under the supervision of the Medical Officer of Health. The appointment will be subject to the provisions of the Stepney Borough Council (Superannuation) Acts, 1905 to 1931, and to the Council's by-laws, including the passing of an examination by the Council's Medical Referee as to constitutional fitness. The appointment will, moreover, be for a probationary period of six months in the first instance, and the person appointed will be required to give an undertaking to accept the position on condition that such probationary period is observed.

Forms of application may be obtained from the undersigned, to whom they must be returned in envelopes endorsed "Appointment of Tuberculosis Officer," so as to reach him not later than 12 o'clock noon on Saturday, the 30th April, 1938.

Canvassing members or officers of the Council is strictly prohibited and will disqualify candidates. The Council do not bind themselves to appoint any of the candidates.

By order, WM. MCCARTY, Town Clerk.
Municipal Offices, Raine-street, Old Gravel-lane, E.1.
2nd April, 1938.

London County Council.

CONSULTANT AND SPECIALIST SERVICES.

Applications invited for appointment as part-time Consulting Pædiatrist for a total of one session a week for duty at QUEEN MARY'S HOSPITAL FOR CHILDREN, CARSHALTON, SURREY, and the DOWNS HOSPITAL FOR CHILDREN, SUTTON, SURREY.

Salary £125 a year (£75 a year if already employed as a part-time consultant or specialist in the hospitals service) and additional remuneration at the rate of £2 12s. 6d. a visit for emergency visits made in excess of the number of routine sessions.

Application forms containing full particulars obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division-6), County Hall, Westminster Bridge, S.E.1, returnable by 20th April. Women eligible. Canvassing disqualifies.

County Borough of Wolverhampton.

NEW CROSS HOSPITAL.
(350 Beds.)
ASSISTANT MEDICAL OFFICER (RESIDENT).

Applications are invited from single gentlemen duly qualified for appointment as Assistant Medical Officer at the above Hospital, which contains Medical, Surgical, Maternity, Children's and Isolation Departments, and is modernly equipped.

Experience in anæsthetics, a knowledge of Clinical Pathology and previous Hospital experience will be deemed additional assets.

Salary will be at the rate of £200 per annum, with apartments, board, attendance, &c.

The appointment will be limited to a term not exceeding one year.

Further information as to the duties, &c., may be obtained from the Medical Officer of the Hospital.

Applications, stating age, qualifications, and nationality, together with copies of recent testimonials, should be addressed to: A. G. ALDRIDGE, Public Assistance Officer.
Stafford-street, Wolverhampton.

City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for a Whole-time Male Assistant Medical Officer of Health. Age not exceeding forty years. Salary £500 per annum, rising by annual increments of £50 to £700. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922. The Diploma of Public Health is essential.

Particulars of the duties of the Assistant Medical Officer may be obtained from the undersigned.

Applications, which must be on the form provided for this purpose, should be accompanied by not more than three recent testimonials, and must be received by the undersigned not later than Saturday, 23rd April, 1938. Envelopes should be endorsed "Assistant Medical Officer of Health."

Canvassing will disqualify.

JOSIAH GREEN, Town Clerk.
Council House, Bristol, 1, 5th April, 1938.

Kent and Sussex Hospital,

TUNBRIDGE WELLS. (210 Beds.)

Applications are invited for the appointment of HOUSE SURGEON (Male). Salary £150 per annum. Board, residence, and laundry in the Hospital.

The Hospital includes the following Departments: Medical, Surgical, Ear, Nose, and Throat, Ophthalmic, Orthopædic, Gynæcological, X-ray and Electro-therapeutic, Massage, Pathological, Venereal Diseases, &c.

Successful candidate will be required to take up duty as soon as possible.

Applications, stating qualifications, together with certificate of registration, and copies of not more than three recent testimonials, should be sent to the undersigned immediately.

TOM B. HARRISON, Superintendent-Secretary.
8th April, 1938.

Leeds Public Dispensary and Hospital.

Applications are invited for the posts of—
CASUALTY OFFICER AND HOUSE SURGEON (Male).
HOUSE PHYSICIAN (Male).

Appointments are for six months, commencing 1st May, 1938. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, to be sent in on or before Monday, 18th April, addressed to the undersigned, Public Dispensary and Hospital, North-street, Leeds, 2.

CHARLES F. J. MAURY, Secretary and Superintendent.

Chorley and District Hospital, Chorley,

LANCASHIRE.
(Voluntary General Hospital with 70 Beds.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon to commence duties early in May, 1938.

The appointment will be for six months, but the appointed candidate will be eligible for reappointment.

The salary is £150 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than Saturday, 23rd April, 1938. C. H. SPENCE, Secretary-Superintendent.

Royal Hospital, Richmond, Surrey.

Applications are invited immediately for the following post:—

JUNIOR HOUSE SURGEON (Male). £100 per annum.

Board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. Form of application can be obtained from the undersigned.

G. M. EDEN, Secretary-Superintendent.

Burslem, Haywood, and Tunstall War MEMORIAL HOSPITAL, High-lane, TUNSTALL, STOKE-ON-TRENT.

(66 Beds. Approved Training School for Nurses.)

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £175 per annum, with board, residence, and laundry.

The appointment is for six months in the first instance; reappointment may be applied for. Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

CITY OF CAPETOWN

TUBERCULOSIS OFFICER.

Applications are invited from qualified Medical Practitioners, not over forty-five years of age, for the position of Tuberculosis Officer in the City Health Department.

The position will involve such administrative, clinical, home-visiting, and other duties as may be from time to time prescribed.

The appointment will be terminable upon one month's notice on either side, and is subject to the provisions of Provincial Ordinance No. 10 of 1912 (Cape) and amending ordinances and to the standing rules and regulations of the Council.

If the successful applicant is resident in the United Kingdom his first-class fare from Southampton to Capetown will be paid and half-salary during the voyage, and he will be required to enter into a three years' contract with the City Council.

Salary will be at the rate of £800 per annum, rising by annual increments of £50 to £1000 per annum, and a motor transport allowance of £13 a month will be paid. The officer appointed will be required to devote the whole of his time to his office and not to engage in private practice.

Applicants must submit particulars as to age, qualification, present position and past experience, with details as to experience in the diagnosis and treatment of tuberculosis and public anti-tuberculosis schemes; and must also submit a medical certificate of physical fitness. Applications, accompanied by copies of not more than three recent testimonials, must be delivered in a sealed packet endorsed "Tuberculosis Officer" either to the undersigned or to Messrs. Davis and Soper, Ltd., 54, St. Mary Axe, London, E.C.3, from either of whom also certain further particulars as to the position may be obtained on application. If candidates are resident in South Africa applications must be delivered to the undersigned not later than noon, 7th May, 1938; if candidates are resident in the United Kingdom applications must be delivered at the office of Messrs. Davis and Soper, Ltd., not later than noon, 23rd April, 1938.

Applications should state when they can commence duty.

The canvassing of Councillors will be regarded as a disqualification. FRANK G. GALE, Deputy Town Clerk.

City Hall, Capetown, 14th March, 1938.

Borough of Llanelly.

ASSISTANT (LADY) MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

The Town Council invite applications for above whole-time appointment from duly qualified single Lady Medical Practitioners. Applicants must have had at least three years' experience in the medical profession and special experience in midwifery and child welfare work. Possession of the Diploma in Public Health will be an advantage.

Salary £500, increasing by annual increments of £25 to £700 per annum.

The officer will be required primarily to carry out duties relative to Maternity and Child Welfare and School-children, and any assigned work in connexion with the Medical Services of the Borough under the directions of the Medical Officer of Health.

The appointment is subject to the 1922 Superannuation Act.

The selected candidate must pass a satisfactory medical examination.

Prescribed application forms may be obtained from the undersigned, and when sent in should be endorsed "Assistant Medical Officer," and addressed so as to be delivered to the undersigned on or before the 20th April, 1938.

Town Hall, Llanelly. DAVID J. PHILLIPS, Town Clerk.

Bedford County Hospital.

Wanted, FIRST HOUSE SURGEON, to take over his duties on April 8th for a term of not less than six months. He must be fully qualified, male, unmarried. Salary £155 per annum, together with board, lodging, and laundry.

Applications, stating age, qualifications, and nationality, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

County of Kent.

ASSISTANT TUBERCULOSIS OFFICER (Male).

Applications are invited for the above-mentioned whole-time appointment on the staff of the Public Health Department.

The duties will include attendance at dispensaries and such other work as may be assigned from time to time.

The salary is at the rate of £600 a year rising, subject to satisfactory service, by annual increments of £25, to a maximum of £750 a year, with subsistence and travelling allowances according to the County Council's Scale.

The officer appointed will be required to reside in such part of the County as may be directed.

The post is designated as an established one under the Local Government and Other Officers' Superannuation Act, 1928, and is terminable by three months' notice on either side. The successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications, and clinical experience, with special reference to practical experience in the diagnosis and treatment of tuberculosis, accompanied by copies of not more than three testimonials, must be received by the County Medical Officer of Health, Sessions House, Maidstone, not later than Wednesday, 13th April, 1938. No official form of application will be issued.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 28th March, 1938.

Coventry and Warwickshire Hospital, COVENTRY.

(347 Beds.)

Applications are invited for the following appointments:—

1 CASUALTY OFFICER;
1 HOUSE PHYSICIAN;
2 HOUSE SURGEONS;
1 HOUSE SURGEON TO OPHTHALMIC DEPT.

Each appointment is for a period of six months commencing May 1st, and the Surgical and House Physician appointments carry a salary at the rate of £150 per annum, with full board. Candidates for the post of Casualty Officer must have had previous Hospital experience, if possible, and the salary will be from £150–£200 per annum, according to qualification and experience.

Applications, with full particulars and enclosing copies of testimonials, should be addressed to the undersigned and must be received not later than April 12th, 1938.

S. C. HILL, House Governor and Secretary.

N.B.—The Surgical appointments are recognised as qualifying posts in respect of the Fellowship Diploma of the Royal College of Surgeons of England, and the Ophthalmic appointment for the D.O.M.S.

28th March, 1938.

The Jessop Hospital for Women, SHEFFIELD. FIRTH AUXILIARY, NORTON.

Applications are invited for the post of RESIDENT MEDICAL OFFICER from registered Medical Practitioners.

The appointment will be for six months, commencing immediately, subject to renewal for a further six months, with salary at the rate of £150 per annum, plus board, residence, and laundry.

Previous Obstetrical experience is desirable.

The Firth Auxiliary Hospital contains 47 beds, of which 23 are set apart for the treatment of Puerperal Sepsis, the remainder being for Ante-Natal and Gynæcological cases.

Applications should be lodged with the undersigned addressed to the Jessop Hospital for Women, Sheffield, immediately.

DAVID OSWALD, Superintendent and Secretary.

The Mount Vernon Hospital, NORTHWOOD, MIDDLESEX.

(For the Treatment of Cancer.)

There will shortly be a vacancy for a HOUSE SURGEON. Candidates must be fully qualified and registered. Salary at the rate of £150 per annum, with board, residence, &c. Six months' appointment.

Applications, accompanied with testimonials, to be sent to the undersigned. W. J. MORTON, Secretary.

Offices, 32, Fitzroy-square, W.1.

Northampton County Mental Hospital.

Applications are invited for the post of DEPUTY MEDICAL SUPERINTENDENT (Senior Assistant Medical Officer) at the County Mental Hospital, Berrywood, near Northampton.

Candidates must be registered Medical Practitioners, possessing a Diploma in Psychological Medicine or its equivalent, and must have had Mental Hospital experience.

Preference will be given to candidates who have special knowledge of and experience in the Insulin Shock Treatment of Schizophrenia. Research is encouraged and a well-equipped laboratory with trained assistant is provided.

Salary £600, rising by £25 annually to £700 and £50 for the D.P.M. with unfurnished house, light, laundry, and garden produce valued at £100 yearly for superannuation purposes.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909. Applications, stating age and experience, together with copies of not more than three recent testimonials, to be sent not later than 14th April to the Medical Superintendent.

UNIVERSITY OF BRISTOL

The University invites applications for the post of
SENIOR CLINICAL PATHOLOGIST
in the
DEPARTMENT OF PREVENTIVE MEDICINE

Salary £700 to £800 per annum, according to qualifications and experience.

Applications should reach the undersigned, from whom further particulars may be obtained, on or before 20th April, 1938.

WINIFRED SHAPLAND,
Secretary and Registrar.

Borough of Torquay.

APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications for the above position are invited from registered Medical Practitioners not exceeding forty years of age if occupying a designated post under another local authority, but otherwise not exceeding thirty-five years of age, and possessing a Diploma in Public Health or a similar qualification.

The officer appointed will be required to devote the whole of his or her time to the duties of the office and must not engage in private practice.

The salary will commence at £600 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700. A car allowance of £40 per annum will be made.

The position will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

Lists of duties and forms of application may be obtained from the undersigned, and the forms, duly completed, must be returned in an envelope endorsed "Deputy Medical Officer of Health," not later than 20th April, 1938.

HERBERT A. HIELD, Town Clerk.

Town Hall, Torquay, 29th March, 1938.

Temporary Tuberculosis Officer

required for Holiday duties for approximately four months from 13th June, 1938, at a fee of £15 per week, inclusive of travelling expenses.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be addressed and delivered to the Clerk of the COUNTY COUNCIL, County Hall, CHELMSFORD, not later than 10 A.M. on Tuesday, 19th April, 1938.

Manchester Hospital for Consumption

AND DISEASES OF THE THROAT AND CHEST.

Wanted, an ASSISTANT MEDICAL OFFICER (Male) for the CROSSLEY SANATORIUM, DELAMERE FOREST, CHESHIRE. (110 Beds.) Salary £200 per annum, with board, apartments, and laundry.

Candidates must be registered. The appointment offers an opportunity for gaining experience in modern methods of treating Pulmonary Tuberculosis.

Applications, stating age, with copies of testimonials, to be sent not later than April 18th to W. HUNT, Secretary, 45, Hardman-street, Manchester.

City of Leicester.

ISOLATION HOSPITAL AND SANATORIUM.
(340 Beds.)

DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited from registered Medical Practitioners (Male) for the post of Deputy Medical Superintendent at the above Hospital.

Applicants should be unmarried, and preference will be given to those who have held General Hospital appointments together with experience in either Pulmonary Tuberculosis or Infectious Diseases.

Commencing salary £400 per annum, rising by annual increments of £50 to £600 per annum, together with residential emoluments valued at £150 per annum.

The appointment, which will be in the first instance for a period of two years, is designated under the Local Government and Other Officers' Superannuation Act, 1922, and is terminable by three calendar months' notice on either side.

Further particulars of the appointment and forms of application can be obtained from the undersigned. Applications to be accompanied by copies of not more than three recent testimonials and must be delivered not later than April 14th.

E. K. MACDONALD, Medical Officer of Health.

Health Offices, Grey Friars, Leicester, April, 1938.

Royal Hampshire County Hospital,

WINCHESTER.
(187 Beds, 5 Resident Officers.)
Hospital recognised by the Royal College of Surgeons, England.

TWO HOUSE SURGEONS.

Applications are invited from fully qualified men for the above posts, one to take up duties on 1st May and one as soon as possible. Six months' appointment. Salary £100 per annum, with board, residence, and laundry.

Candidates, who must be of British Nationality, to make application to the undersigned, enclosing copies of three testimonials.

28th March, 1938. HERBERT MASLEN, Secretary.

Surrey County Council.

SURREY COUNTY SANATORIUM.

APPOINTMENT OF FIRST ASSISTANT MEDICAL OFFICER (Non-resident).

Applications are invited from registered Medical Practitioners for the above post.

The Sanatorium, which is at MILFORD, near GODALMING, has at present 300 Beds, but plans are being prepared for an addition of 48 Beds. The Medical Staff consists of Medical Superintendent, Deputy Medical Superintendent, and 3 Assistant Medical Officers.

Candidates must possess wide experience in the diagnosis and treatment by modern methods of Pulmonary Tuberculosis. Practical experience in modern operative methods will be considered an advantage.

There are no resident quarters at present available and the holder of the appointment would be required to live outside in the neighbourhood of the Sanatorium.

The successful candidate will be required to give his whole time to the duties of the appointment. He will be on the Established Staff of the County Council and the appointment will be subject to the Staffing Regulations of the County Council and to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

The appointment is subject to satisfactory medical examination and is terminable by three months' written notice on either side.

The salary is at the rate of £570 a year, rising by annual increments of £25 to £670 a year, plus meals and lodging when on duty valued at £30 per annum.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be addressed to the County Medical Officer, County Hall, Kingston-on-Thames.

The last day for receipt of applications is Wednesday, 13th April.

Canvassing directly or indirectly will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

28th March, 1938.

Derbyshire Royal Infirmary, Derby.

(General Hospital. 362 Beds.)

(Recognised under F.R.C.S. Regulations.)

Applications are invited for the post of HOUSE PHYSICIAN, who must be a Male of British nationality, and unmarried.

Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c.

Applications, with copies of testimonials, to be sent to the undersigned.

ARTHUR TAYLOR, Superintendent and Secretary.

28th March, 1938.

Pontefract General Infirmary (Yorks).

SENIOR RESIDENT MEDICAL OFFICER (Male, unmarried), duly qualified registered Medical Practitioner, with some previous surgical experience as hospital resident. Salary £175 per annum. The appointment is for six months.

Applications, stating age, with testimonials, and nationality, to be sent to the undersigned at once.

DAVID J. RICHARDS, Secretary-Superintendent.

Brighton Education Committee.

ASSISTANT TO SCHOOL MEDICAL OFFICER AND ASSISTANT TO THE MEDICAL OFFICER OF HEALTH.

Applications are invited from fully qualified Medical Men under forty-five years of age for the above appointment. Applicants must have had experience in children's diseases and must be competent in Refraction work for children. Experience in school medical inspection would be an asset and also the possession of the D.P.H.

Salary £500, rising by annual increments of £25 to a maximum of £700. The salary is subject to statutory deductions under the Local Government and Other Officers' Superannuation Act, 1922.

Applications, on forms to be obtained from the undersigned, together with copies of three recent testimonials, should be sent in before noon on the 22nd April, 1938.

Canvassing will be regarded as a disqualification.

F. HERBERT TOYNE, Education Officer.

Education Offices, 54, Old Steine, Brighton.

North Staffordshire Royal Infirmary,

STOKE-ON-TRENT. (390 Beds.)

RESIDENT ANÆSTHETIST.

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

This appointment, which is recognised by the Royal College of Surgeons for the Diploma in Anæsthetics, will be made for six months, renewable.

Previous hospital Anæsthetic experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By Order,
W. STEVENSON, Secretary and House Governor.

28th March, 1938.

Norfolk and Norwich Hospital,
NORWICH.
(417 Beds.)

Applications are invited for the post of CASUALTY OFFICER. Salary £120 per annum, with board, residence, and laundry.

Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, stating age, nationality, &c., together with copies of testimonials, should reach the undersigned not later than Tuesday, the 19th April, 1938.

FRANK INCH, House Governor and Secretary.

9th April, 1938.

Liverpool and District Hospital for
DISEASES OF THE HEART,
34, Oxford-street, LIVERPOOL, 7.

HOUSE PHYSICIAN required July 1st for six months. Salary at rate of £100 per annum, with board, residence, laundry. Applications to Secretary.

King Edward VII Hospital, Windsor.
(200 Beds.)

CASUALTY OFFICER required immediately. Applicants must be fully qualified Men or Women, registered and unmarried.

Salary at the rate of £120 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, accompanied by testimonials, should be sent to the undersigned not later than April 14th.

A. E. CHURCHER, Secretary.

Bolton Education Committee.

APPOINTMENT OF ASSISTANT (WOMAN) MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

The Education Committee invite applications for the appointment of a Woman Assistant Medical Officer of Health and Assistant School Medical Officer.

The person appointed will be required to assist the School Medical Officer in carrying out the work of medical examination of school-children under the Education Act, 1921, and also when not required in school work, to assist the Medical Officer of Health in Child Welfare and other Public Health work. She must be prepared to devote the whole of her time to the duties of the office and not engage in private practice.

Preference will be given to applicants who :—

(a) Have had some definite experience in School Hygiene; and

(b) Have enjoyed special opportunities for the study of children.

The possession of a Diploma in Public Health is essential.

The appointment is designated under the Local Government and Other Officers' Superannuation Act, 1922, and is subject to the provisions of that Act.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum.

Applications, endorsed "Assistant School Medical Officer," stating age, qualifications, and previous experience, and accompanied by copies of not more than three recent testimonials must be forwarded to reach the undersigned not later than Saturday, 23rd April, 1938.

Canvassing, either directly or indirectly, will be a disqualification. JOHN A. COX, Director of Education.

Education Offices, Nelson-square, Bolton.

AMENDED ADVERTISEMENT.

Borough of Gravesend, Kent.

ASSISTANT MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications for this appointment are invited from registered Medical Practitioners of not more than forty years of age. Commencing salary £600 per annum, rising by two annual increments of £50 to a maximum salary of £700 per annum.

Candidates must have had at least three years' professional experience and special experience in Antenatal and Maternity and Child Welfare work, and the work of the School Medical Service. The possession of a Diploma in Public Health is necessary.

The person appointed will be required to devote full time to the duties, and not to engage in private practice. Duties to be performed under the direction of the Medical Officer of Health, and to include work in connexion with Air Raid Precautions.

The post will be designated as established for the purposes of the Local Government and Other Officers' Superannuation Act, 1922, and the usual deduction of 5 per cent. will be made from salary. The successful candidate will be required to pass a medical examination by the Medical Officer of Health or an Independent Medical Referee appointed by the Council.

Applications must be made on forms obtainable from the undersigned to whom they must be returned (accompanied by copies of three recent testimonials) not later than the first post on Monday, 25th April, 1938, in envelope endorsed "Assistant Medical Officer."

Canvassing, directly or indirectly, will disqualify.

H. H. BROWN, Town Clerk.

Town Clerk's Office, 4, Woodville-terrace, Gravesend, Kent.
2nd April, 1938.

County Borough of Blackburn.

PUBLIC ASSISTANCE DEPARTMENT.

Applications are invited from Medical Practitioners (Male) for the appointment of a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER at QUEEN'S PARK HOSPITAL AND INSTITUTION.

The Staff consists of a Resident Medical Officer, a Resident Assistant Medical Officer, a Consulting Surgeon, a Laboratory Assistant, and an X ray attendant.

There is a separate Infirmary, a separate Mental Block, and a separate Hospital for Children, and there is opportunity for experience in all departments, including Medical, Surgical, and Midwifery cases. An X ray apparatus is installed.

The person appointed will be required to devote his whole time to the duties and also to act as may be directed by the Resident Medical Officer.

The appointment will be limited to a term not exceeding one year.

Salary at the rate of £200 per annum, together with board, apartments, and attendance.

Applications, stating age, qualifications, and experience accompanied by copies of not more than three recent testimonials, must be sent so as to reach the Public Assistance Officer, Public Assistance Offices, Cardwell-place, Blackburn, not later than 10 A.M. on the 21st April, 1938.

CHAS. S. ROBINSON, Town Clerk.

Town Hall, Blackburn, 2nd April, 1938.

Rotherham Hospital.

Wanted: HOUSE PHYSICIAN (Male), qualified. Salary £180, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Lancashire County Council.
PUBLIC ASSISTANCE COMMITTEE.

LAKE HOSPITAL AND DARNTON HOUSE INSTITUTION, ASHTON-UNDER-LYNE, Near MANCHESTER.

APPOINTMENT OF SENIOR RESIDENT MEDICAL OFFICER.

Salary £250 per annum, together with the usual residential emoluments.

The person appointed will be required to take up duty on the 1st June, 1938.

Applications are invited from registered Medical Practitioners for the above appointment at the Lake Hospital and Darnton House Institution, Ashton-under-Lyne, comprising 300 and 525 beds respectively.

The Hospital is recognised as a complete Training School for Nurses.

Candidates must be unmarried. Preference will be given to candidates having previous hospital experience, especially in midwifery, and in the administration of anæsthetics.

The appointment will, in the first instance, be for a period of six months, the successful candidate being eligible for reappointment for a further period of six months at the end of that period.

Forms of application may be obtained from the County Medical Officer of Health, Public Assistance (Hospital and Medical) Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded not later than Tuesday, 19th April, 1938.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 4th April, 1938.

The King Edward VII Welsh National
MEMORIAL ASSOCIATION

Applications are invited from duly registered Medical Practitioners (Male, single), for the post of ASSISTANT RESIDENT MEDICAL OFFICER (twelve months' appointment) at the NORTH WALES SANATORIUM (247 beds for female pulmonary and male, female, and children non-pulmonary cases), DENBIGH, NORTH WALES.

Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, April 20th, 1938.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Westgate-street, Cardiff.

Prince of Wales's Hospital, Devonport
(Formerly the Royal Albert Hospital, Devonport).
(64 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Duties to commence forthwith. Appointment is tenable for six months and is subject to renewal, or promotion to the senior position when this post becomes vacant. Applicants must be registered under the Medical Acts.

Applications, stating age and qualifications, with copies of three recent testimonials, to reach the undersigned immediately.

ARTHUR R. CASH, General Supt. and Secretary.

Prince of Wales's Hospital, Greenbank-road, Plymouth.

Manchester Royal Infirmary.

MEDICAL OFFICER TO OUT-PATIENTS.

The Board of Management invite applications from registered Medical Practitioners for the above appointment.

The duties are to assist in the treatment of Medical Out-patients on three mornings a week from 9 o'clock. The appointment is for one year. Salary £105 per annum.

Candidates must state age and send fifteen copies of their application and testimonials to the undersigned on or before 9 A.M. on Wednesday, 13th April, 1938.

By order.

F. J. CABLE, General Superintendent and Secretary.

4th April, 1938.

Derbyshire Royal Infirmary, Derby.

(General Hospital. 362 Beds.)

Applications are invited for the post of HOUSE SURGEON FOR EAR, THROAT AND NOSE DEPARTMENT, who must be a male of British nationality and unmarried.

Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c.

Applications, with copies of testimonials, to be sent to the undersigned.

State earliest date duties could be commenced.

ARTHUR TAYLOR, Superintendent and Secretary.

Devonshire Royal Hospital, Buxton,

DERBYSHIRE. (300 Beds.)

(A National Hospital for Rheumatism and Allied Diseases.)

HOUSE PHYSICIAN (Male), salary £150, rising to £175 after three months' service (and prospects of promotion to Resident Medical Officer), with board-residence and laundry.

Candidates must be fully qualified and registered.

The appointment is for a minimum period of six months, and may be extended for a further period of six months.

Applications, endorsed "Medical Appointment," stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded without delay to the undersigned, from whom any further particulars may be obtained.

Considerable Orthopædic experience is available, and the appointment offers special facilities for a gentleman preparing a thesis or wishing to undertake special work, as the Hospital contains all the necessary laboratory and other facilities for research.

Canvassing will disqualify.

By Order of the Committee of Management,

A. PRESTON TURNER,

General Superintendent and Secretary.

Royal Infirmary, Blackburn.

(244 Beds. Five Residents.)

RESIDENT HOUSE PHYSICIAN (Male) required, at a salary of £175 per annum, with board, residence, laundry, &c.

In addition to Medical Wards to be attached to the Eye, Ear, Nose, and Throat Department.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible.

T. DEWHURST, General Supt. and Secretary.

Royal Infirmary, Blackburn.

Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invite applications from gentlemen for the appointment of SECOND HOUSE SURGEON. The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary. W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

City of Bradford.

ASSISTANT CITY PATHOLOGIST required. Salary £500 per annum, rising to £700 per annum by annual increments of £25.

The salary is subject to a deduction of 5 per cent. under the terms of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a satisfactory medical examination.

Application form may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 22nd April, 1938.

N. E. FLEMING.

Town Hall, Bradford, 4th April, 1938.

The Chester Royal Infirmary.

(225 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN (Male) to take up duty on 1st May. Salary £150 per annum, with board, lodging, and laundry. The appointment is approved for the purposes of the M.D. Examinations of the University of London. Application list closes 22nd April. Application forms may be obtained from W. H. GRACE, M.D., M.R.C.P., Hon. Secretary, Medical Committee.

Christie Hospital and Holt Radium

INSTITUTE, MANCHESTER, 20.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER to the Radium Institute. The appointment offers an excellent opportunity of acquiring extensive experience in Radium and Deep X ray Therapy. Applicants must possess either a Fellowship in Surgery or a Diploma in Radiology, and have had general medical and surgical experience. Actual experience in Radiation Therapy is not essential. The appointment is a whole-time one, in the first instance for one year at £400, increasing to £500 for the second year.

Detailed applications and testimonials should be submitted to the undersigned not later than April 25th.

PERCY N. GLASS, Superintendent.

Great Yarmouth General Hospital.

(72 Beds.)

Applications are invited for the post of HOUSE SURGEON (one of two appointments). Duties to commence 1st May.

Applicant must be male and unmarried.

Salary at the rate of £140 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be forwarded to the undersigned. FREDK. L. GATFIELD, Secretary.

Royal Gwent Hospital, Newport, Mon.

(210 Beds.)

Required for duty 1st May, 1938:—

* RESIDENT SURGICAL OFFICER, HOUSE SURGEON to the FRACTURE AND ORTHOPÆDIC DEPARTMENT, CASUALTY OFFICER.

Salaries at the rate of £250, £135, and £135 per annum respectively with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of three testimonials, should be sent to the undersigned immediately.

ALAN RUDDLE, Secretary-Superintendent.

* This appointment is recognised by the Royal College of Surgeons (England).

Preston and County of Lancaster Royal

INFIRMARY.

Applications are invited for the post of HOUSE SURGEON to the EYE, EAR, NOSE, AND THROAT WARDS AND CLINICS. Six months' appointment.

Salary at the rate of £150 per annum, with board, residence, and laundry. Total Resident staff of the General Hospital, eight.

Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded to the undersigned.

JOHN GIBSON, Superintendent and Secretary.

4th April, 1938.

York County Hospital.

(204 Beds.)

The post of HOUSE SURGEON to the EYE, EAR, NOSE AND THROAT DEPARTMENT will become vacant on the 16th May, 1938. Duties include part-time Casualty and General Hospital work. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than 9 A.M. on Tuesday, 19th April, 1938. J. R. MACKRILL, Secretary.

Dundee Royal Infirmary.

MEDICAL ELECTRICAL DEPARTMENT.

The Directors propose to appoint a whole-time MEDICAL OFFICER in the Medical Electrical Department. Salary at the rate of £1000 per annum.

Candidates must be fully qualified in and have had adequate experience in the therapeutic administration of X Rays and Radium. Further details may be obtained from the Medical Superintendent.

Applications, together with twenty-four copies of recent testimonials, should be lodged with the undersigned on or before 21st May, 1938.

W. F. FERGUSON, Secretary, Royal Infirmary, Dundee.

Herefordshire County Council.

APPOINTMENT OF ASSISTANT COUNTY MEDICAL OFFICER AND MEDICAL OFFICER OF HEALTH.

The HEREFORDSHIRE COUNTY COUNCIL, the LEOMINSTER BOROUGH COUNCIL, the BROMYARD URBAN, KINGTON URBAN, and BROMYARD RURAL, LEOMINSTER AND WIGMORE RURAL, KINGTON RURAL, and WEOBLEY RURAL DISTRICT COUNCILS require a Medical Officer who will act as Assistant County Medical Officer and as Medical Officer of Health for the areas of the District Councils named.

Salary £800 per annum, with travelling expenses.

Applications on the prescribed form, which may be obtained from the Clerk of the Council, Shirehall, Hereford, must be received by him on or before the 30th April, 1938.

ROYAL EYE HOSPITAL
MEDICAL SCHOOL
St. George's Circus, S.E 1

D.O.M.S. COURSE

An Intensive Six Weeks' Course for Parts 1 and 2 of the D.O.M.S. Examination will commence on May 2nd.
Fees: Part 1, £5 5s.; Part 2, £10 10s
Applications are to be received by Apr . 25th.
For further particulars apply to the Dean at the Hospital.

Cheshire County Council.
CLATTERBRIDGE (COUNTY) GENERAL HOSPITAL
(near Birkenhead).

SENIOR MALE RESIDENT MEDICAL OFFICER.
Applications are invited for the above appointment which falls vacant on the 7th May. Salary £350 per annum, rising by annual increments of £25 to £450 per annum.
There is a Non-resident Medical Superintendent, a Resident Deputy Medical Superintendent, a Junior Medical Officer, and a Consulting Staff from Teaching Hospitals.
Applications to be made on forms obtainable from the undersigned and returned not later than the 21st April, 1938.
IAN MACKAY, County Medical Officer of Health.
24, Nicholas-street, Chester.

Kent and Canterbury Hospital,
CANTERBURY. (183 Beds.)

The Board of Management will shortly proceed to the appointment of an HONORARY ANÆSTHETIST. Candidates must be duly qualified Medical Practitioners.
Applications, together with copies of testimonials, should be sent on or before the 2nd May, 1938, to the undersigned from whom further particulars can be obtained.
J. F. KENT, Superintendent and Secretary.

Hull Corporation Health Department.

ASSISTANT MEDICAL OFFICER OF HEALTH.
Applications are invited from duly qualified Medical Men, under forty years of age, and of not less than three years' standing in their profession, for the above post.
Preference given to candidates possessing the Diploma in Public Health or equivalent qualification.
Salary £600 per annum, rising by annual increments of £25 to £700 per annum.
Duties consist mainly of work in the School Medical Department.
Experience in refraction work essential.
Applications, on forms to be obtained from the undersigned, are returnable not later than noon on Saturday, 23rd April, 1938. NICOLAS GEBBIE, M.D., Medical Officer of Health.
Health Department, Guildhall, Hull, April, 1938.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.
Candidates must be duly qualified and registered. Number of beds 50. Salary £175 per annum, with board and lodging.
Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be forwarded on or before the 11th April.
J. KENYON, Secretary.

The Metropolitan Borough of Holborn.

ASSISTANT MEDICAL OFFICER.
Applications are invited for the post of Assistant Medical Officer (Male) from registered Medical Practitioners of at least three years standing as such and not over the age of thirty-five years.
The duties of the appointment, which will be a whole-time one under the direction of the Medical Officer of Health, will be concerned with Air Raid Precautions; but will also include such other matters as may from time to time be assigned. The appointment will be terminable by a month's notice on either side.
Candidates should have had experience in air-raid precaution work and must be competent to give lectures and training in first-aid. Preference will be given to those possessing, or undertaking to obtain, a registrable qualification in public health.
The initial salary will be £600 per annum, rising, subject to satisfactory service, by annual increments of £25 to £750 per annum, subject to statutory deductions for superannuation. Appointment will be subject to a medical examination as to physical fitness.
Application forms may be obtained from the undersigned, by whom the completed forms, accompanied by copies of three recent testimonials, must be received on or before 21st April, 1938.
Canvassing, either direct or indirect, will disqualify.
L. WALFORD, Town Clerk.
Town Hall, 197, High Holborn, W.C.1.

The Royal Army Medical Corps
ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Resident Patients.—Doctors desiring
accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

Public Health Laboratory, Private
PRACTICE, LONDON.—Applications are invited from registered Medical Practitioners holding the D.P.H., and with experience in Public Health Laboratory work, for an ASSISTANTSHIP with view to Partnership.—Address, No. 391, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

London.—Cora Hotel,
Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors. Modern comforts.
Excellent table. A.A. and R.A.C. recommended.
Room, bath, and table d'hôte breakfast, 8s. 6d.
A few rooms 9s. 6d. and 10s. 6d. per person.

HARLEY STREET AND MEDICAL DISTRICT
For all types of available accommodation.
BERTRAM & CO.
Surveyors and Estate Agents.
43, New Cavendish-street, W.1. Welbeck 3703.

Harley Street and District.—A number
of excellent CONSULTING ROOMS are available for full and part-time use at moderate rents. Particulars on application.—ELGOOD & CO., 10, Henrietta-street, Cavendish-square, W.1. Lang. 2601.

W.1.—Suitable Consulting-rooms or
Private Residence.—A charming small HOUSE adjoining a distinguished block of West End flats from which constant hot water and partial central heating is supplied: 2 reception rooms, 2 principal bedrooms, bathroom, separate w.c. Domestic quarters, kitchen, maid's bedroom, &c., all en suite. Rental £310 inclusive. Please apply 8, Bickenhall Mansions, Gloucester-place, W.1. Welbeck 6575.

TO LET
NO. 2, HARLEY-STREET, W.1.

Remaining Suites of Consulting Rooms
in one of the finest Professional Houses in the Medical Area. Passenger lift. Central heating. Constant hot water.—Apply, sole agents: ELLIOTT, SON AND BOYTON, 6, Vere-street, W.1. Mayfair 3204 (3 lines).

HAMILTON-COURT, W.9.

Main Road.—Fine Ground Floor
Luxury Flat containing 2 reception rooms, lounge hall, 3 bedrooms, 2 *bathrooms*, 3 w.cs., kitchen, &c. *Imposing Building.* Central heating and hot water. Day and night porters. Rent £265 per annum. ALSO SMALLER FLATS. *Fine position for Doctor.*—Apply, Letting Office on premises or to Managing Agents, SNELL AND CO., 47, Maida Vale, W.9. Cunningham 1181 (4 lines).

HARLEY STREET
EXCELLENT CONSULTING ROOM with attendance on G. Floor, use of waiting-room. ALSO Large sitt. room bedroom, use bathroom; if required. Reasonable rent. Apply, G. Massie Hunter & Partners, 46, Lincoln's Inn Fields, W.C. 2. Hol. 8155.

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10, Wigmore Street, Cavendish Square, W.
SPECIALISTS IN PROFESSIONAL HOUSES AND CONSULTING ROOMS in Harley-st., and leading medical position.
Telephone: Langham 3927–3928

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ELLIOTT, SON AND BOYTON
(H. C. Rowe, F.S.I.),
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Estate Agents, Auctioneers, and Surveyors,
are the BEST LOCAL AGENTS for HOUSES and CONSULTING ROOMS in the Harley, Wimpole, Queen Anne, and other Streets in the Cavendish-square district. Valuations for all purposes.
Telephone: 3204 MAYFAIR.

A cloudless sky, the fields a dream,
A fragrant "briar"—TOM LONG's supreme.

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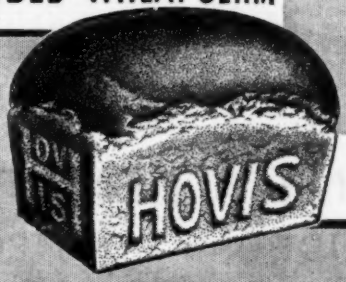

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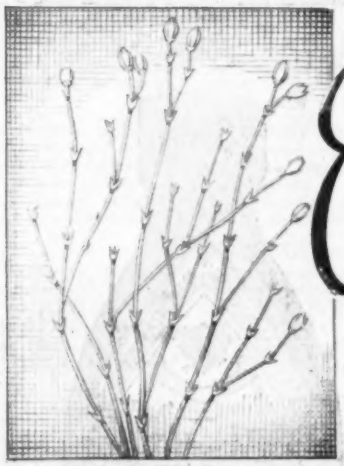

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Milton is supplied at a standard strength ready for immediate use, and is stable. It is safe for either external or internal application.

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They are absolutely essential for the maintenance of an adequate state of nutrition. However, not infrequently an apparently minor mineral deficiency may weaken the body's defensive mechanism to such a point that

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This vaccine contains hæmolytic streptococci, in addition to other organisms incriminated in the causation of coryza and influenzal infections. It has been found that the ingestion of the oral vaccine against colds and influenza also develops immunity to diseases caused by hæmolytic streptococci.

Particulars concerning Genora brand Oral Vaccine will be found in the new brochure on Vaccine Therapy which has recently been published by Genatosan Ltd. This booklet also gives information regarding a wide range of vaccines administered by hypodermic injection and the standard types of Local Immunity Products. A copy of the brochure will gladly be supplied to any physician on request.

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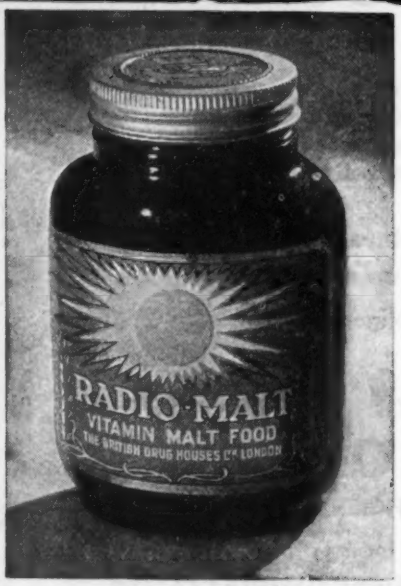

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The general action of 'Bynin'Amara is manifested by increased tone of the nervous, muscular and cardio-vascular systems. It stimulates the digestive organs, improves the flagging appetite, corrects anæmia and aids nutrition generally.

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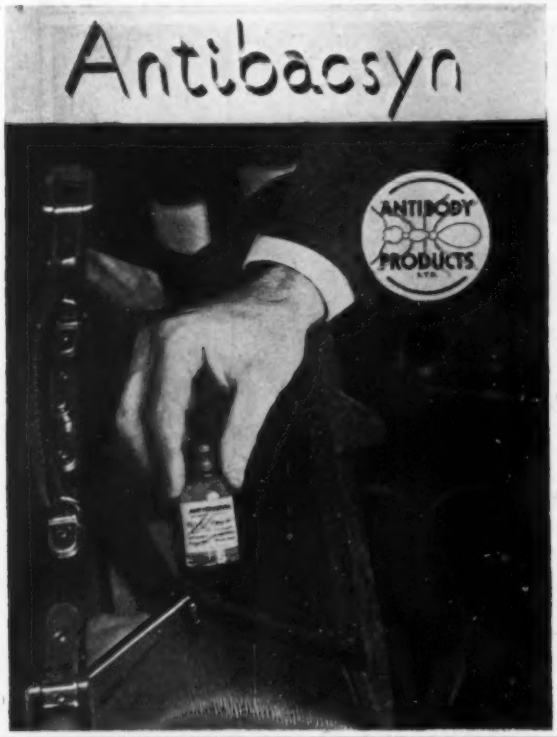

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1. It is **SAFE**.
2. Will attack **all** endotoxic infections.
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(Psoriasis—Duration 21 years)

which did not respond to previous treatment

PERMANENTLY ELIMINATED

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BELZEMA

BRAND OINTMENT

The case illustrated had resisted treatment for 21 years. Lotions, ointments, violet ray and mineral baths were employed ineffectively. BELZEMA Soap and BELZEMA Ointment completely eliminated the condition in less than four months. This says more for the action of the BELZEMA Treatment than could easily be expressed in words. It has long been proved valuable in a wide range of indications:

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NOT A SMEAR — There is no greasy residue. It is completely and rapidly absorbed.

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A unique natural source of accessory nutritional factors.

Vitamin B_1—400 International Units per ounce.
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PROPHYLACTIC and CURATIVE.

Immunisation should be commenced in susceptible patients now. In treatment the initial dose is determined by the

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AMONG the many and diverse analgesics which have been evolved by modern chemical research, acetyl-salicylic acid retains its reputation as one of the safest and most effective. Its tendency to liberate salicylic acid—the irritant properties of which are well known to physicians—has, however, caused many to hesitate to employ it as widely as it deserves. Exhaustive trial in hospital and private practice proves that "Alasil" definitely solves the problem of administering acetyl-salicylic acid in an effective form, being free from the risk of irritating the stomach or bowels or of causing general reactions.

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ALASIL

M268

Pleasure Cruises . . .

3rd March, 1938

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Dear Sirs,

I have to thank you for the samples of KAYLENE and COLONOL LIQUID PARAFFIN, which arrived this morning.

It may be of interest to you to learn that KAYLENE-OL is an admirable prophylactic for the dysenteries and other intestinal infections common in hot countries. I invariably prescribe it to patients who are going for a holiday in the countries around the Mediterranean littoral, or pleasure-cruising.

I think it probably acts by preventing injury to the intestinal mucosa in patients who evaporate a lot of fluid from the skin and, in the case of amœbic dysentery, by hindering the *Entamœba Histolytica* from entering the crypts of Lieberkühn by occluding them with an oily film.

Patients who use it systematically every day as a prophylactic remain singularly free from the numerous troubles arising from the exuberant bacteriological flora of the intestine which is the rule in hot countries.

I am guided in my opinion largely by personal experience. I have had dysentery seven times and each time was definitely associated with the running short of my usual prophylactic dose. I do not know of anybody ever contracting dysentery while maintaining the regular daily prophylactic dose of KAYLENE-OL.

Yours faithfully,

Signed ..... M.D.

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B.D.H. Vaccines are issued in special rubber-capped vials which contain 3 c.c. of vaccine; the adoption of this pack avoids wastage from the use of a 1 c.c. ampoule for each injection made in a course of treatment, which comprises usually a series of four or five injections totalling not more than 3 c.c.

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B.D.H. Vaccines are supplied also in the specially-designed rubber-capped vials of 10 c.c. and 25 c.c. capacity.

A specimen 3 c.c. vial containing any of the above-mentioned vaccines will be sent on request

THE BRITISH DRUG HOUSES LTD. LONDON N.1

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Over 60 years' reputation as a remedy in DYSPEPSIA, especially when PYROSIS is a conspicuous symptom, and all DISEASES of the STOMACH.

"Undoubtedly a valuable and convenient preparation."
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"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."—THE BRITISH MEDICAL JOURNAL.

DOSE: Half to one drachm diluted.

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Intestinal Toxæmia with Hypertension Gastric Fermentation and Distension

"CHARKAOLIN" adsorbs toxins and gases in the stomach and intestines. An index of its adsorptive activity is its complete deodorisation of the intestinal contents.

"CHARKAOLIN" has given remarkable results in some cases of hypertension with intestinal auto-intoxication.

"CHARKAOLIN" is the original preparation of activated charcoal with "Osmo" Kaolin."

"CHARKAOLIN" GRANULES. In bottles at **2/6**
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Prices in Great Britain and Northern Ireland.

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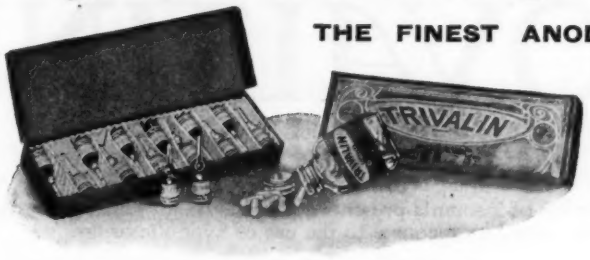
TRIVALIN

THE FINEST ANODYNE

In ampoules for injection, capsules and Tablets



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"I consider the addition of Hyoscine valuable in Morphia suppression, and have found the combination valuable in hysterical frenzies and other forms of mental excitement."

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This Medisoap is well adapted for use in:—

ACNE VULGARIS
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SCABIES
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Price 1/3 per tablet.

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Sulph. Præcip.	5%
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For Restful Sleep

THE control of insomnia presents a problem that often cannot be effectively or safely solved by recourse to the use of hypnotic drugs.

'Ovaltine' provides a safe and natural means of inducing sleep in many cases, especially where the basis of the insomnia is digestive unrest, nocturnal hunger or nervous instability. Taken before retiring, it promotes quiet and restful sleep, by reason of its gentle sedative effect on the nervous system and its faculty of assisting digestive ease.

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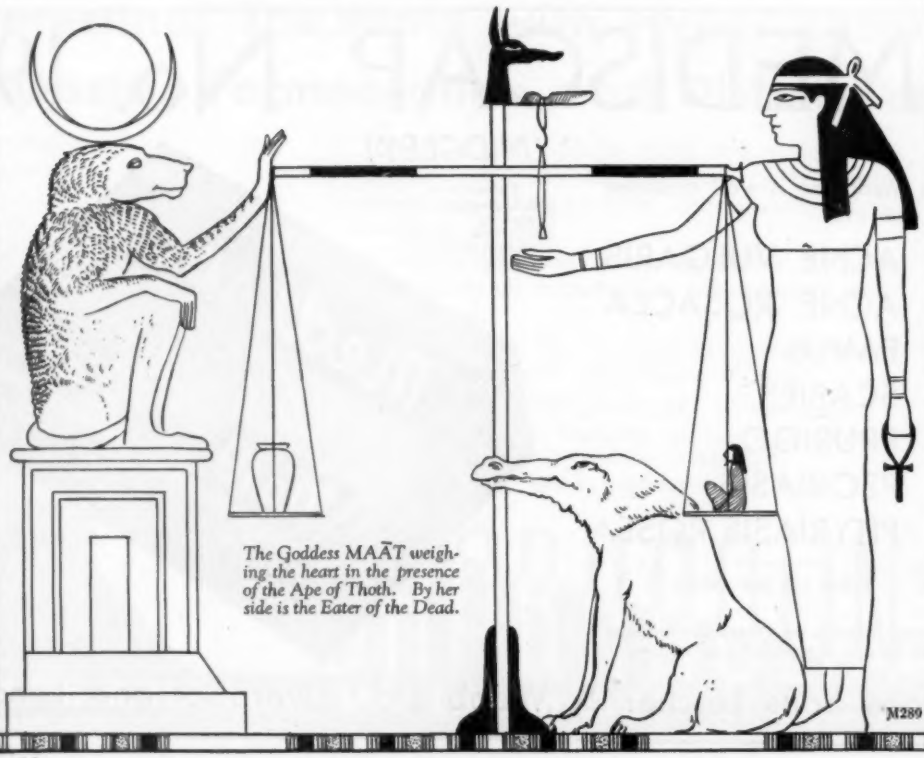

The Goddess MAĀT weighing the heart in the presence of the Ape of Thoth. By her side is the Eater of the Dead.

VEGETABLE PURÉES IN PEDIATRICS

A solution to the problem of home preparation

THE markedly improved nutrition and successful tolerance by infants to strained vegetables and fruits is rapidly securing a universal popularity for this dietary.

In theory there is no more desirable way of meeting systemic acidity, nutritional anaemia and supplying dietary bulk for intestinal residue in a non-irritant form.

In practice however, defects in the home preparation of purées retard or defeat the end in view. The vegetables used are not fresh, overmuch water or boiling in uncovered kettles reduces the mineral and vitamin content, and coarse sieving allows harsh fibre to pass.

PROTEIN	4·8
CARBOHYDRATES	8·8
CALCIUM	0·012
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VITAMIN A.	GOOD
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CALORIES PER OZ.	17·0

A typical example of the high nutritive values retained in Heinz Strained Foods. (Figures show percentages on the wet basis)

In consequence there is a growing demand on the part of physicians and mothers for such a product that shall have the highest possible nutritive value, and complete uniformity. Their attention having been drawn to this, the H. J. Heinz Company decided that here was a legitimate extension of their services in view of their wide buying resources and long experience in the preparation of foods.

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The best factory practice is inevitably better than home preparation, however careful. After scrupulous cleaning, for example, vegetables are cooked in the Heinz factories under light steam pressure with exclusion of air until just soft enough to be comminuted by extrusion and cutting. The whole process is so regulated that the juices of the vegetables are retained throughout, there are no mechanical losses of mineral salts, vitamins or other soluble nutrients, and the resulting purée is adjusted to the proper consistence for satisfactory marketing.

Before filling and sealing, the product is subjected to a process for the removal of any absorbed air, and sealing takes place *in vacuo*. Finally, the sealed containers are immediately sterilised under known conditions of time and temperature. By these means are secured the high nutritional qualities, uniformity and convenience that physician, mother and patient desire.

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SPINACH
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is now available

IN BOTTLES

WITH THE RADIO-ACTIVITY UNIMPAIRED

thanks to Dr. Klinghoffer's

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a discovery of far-reaching consequence

For 500 years the waters of Badgastein Spa, Austria, have been prescribed with success for Rheumatism, Gout, Arthritis and similar ills; for Liver and Nervous complaints; as a tonic and revitaliser in increasing age.

Hitherto it has been impossible to bottle Gastein Water and retain its radio activity, but this has now been overcome by the 'K' Element, a discovery of Dr. Klinghoffer, the Austrian scientist.

GUARANTEE. The full radio-activity of bottled Gastein Water is guaranteed by the Department of Measures of the Radium Institute (Curie Lab.), Paris.

The 'K' Element is suspended from the cap of every bottle so that it comes in contact with the water. It indefinitely retains the radio-activity at full strength, thus solving a 500 years old problem and making possible the consumption of Gastein Spa Waters at any time and in any place.

The waters are colourless, tasteless and odourless. They may be taken alone, or with spirits.

Please write for the introductory paper which explains the 'K' Element and contains a note on the virtues of Gastein Water.

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POST-FEBRILE CONDITIONS

ENTERIC FEVER: By adding 'Sanatogen' to boiled and cooled milk the author found, in the dietetic treatment of typhoid (enteric) fever, that digestion and assimilation were easily accomplished, positive evidence being furnished by the steady improvement of his patients.

"Dietetic Treatment of Enteric Fever."
(PUBLIC HEALTH.)

INFLUENZA: "As a tonic-food 'Sanatogen' stands for pre-eminence. This is no mere expression of an individual opinion, but a fact firmly established by a vast array of clinical experience. . . . Whatever dietary may be decided on in the post-febrile period of influenza, it must always include 'Sanatogen.'" *(HOPKIRK.)*

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(——M.R.C.S., L.R.C.S., D.P.H.)

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"The bactericidal action of the blood and its naturally protective powers against diseases are developed by 'Sanatogen.' The combination of a glycero-phosphate with albumin, as it exists in 'Sanatogen,' produces a true physiological influence on nutrition."

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Clinical samples and literature available on request to
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DOSAGE: For children and adults two teaspoonfuls three times daily, or according to circumstances. For infants ½ teaspoonful added to each bottle feed.

Laxatives, it is well known nowadays, must have two essential characteristics.

1. They must be biological, i.e., they must accord with and imitate in their action the natural physiological processes of the intestine.
2. They must be capable of educating the intestine, so that the habit of a laxative is not formed and the intestine can function unaided when bowel adjustment is attained.

Taxol has both these advantages.

Taxol has not the violent irritant action of many laxatives and purgatives, but stimulates the intestine by processes which resemble those of nature. The intestinal gland which is an important part of its composition acts on the intestine by reinforcing the deficient function which has culminated in constipation. This stimulating action is gentle, and does not force the weakened intestine to efforts beyond its power, which would culminate in aggravation of the constipation.

Taxol is not habit-forming. It re-educates the intestine to resumption of normal function unaided, thanks to the biological nature of its action. It contains no irritant drug of violent and artificial action to which the intestine can become accustomed. On the contrary, many stubborn cases of constipation, after a course of TAXOL, revert to normal and regular peristalsis.

Formula

Intestinal glands - -	0.05 grms.
Biliary extract - -	0.10 ,,
Lactic ferments - -	0.05 ,,
Agar-agar - - - -	0.05 ,,
Fiat tablet - - - -	0.35 ,,

Initial Daily Dose
Two Tablets

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It is generally recognised by dieticians that hard foods are more easily digested than soft ones. The explanation commonly advanced is that soft foods are often swallowed in insufficiently chewed masses ; whereas hard foods cannot be swallowed until they are properly broken up by the teeth, and in consequence the digestive juices have a larger surface area to work upon and their action is more effective.

Many physicians therefore recommend that the normal diet should contain a fair proportion of hard, dry food. They find that Ryvita, eaten regularly with meals, supplies a valuable factor in which the modern diet is otherwise deficient. Free samples of Ryvita for distribution to patients will gladly be supplied on request.

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THE PROBLEM OF PAIN

To the physician pain is just a symptom, an alarm signal; but to the patient it is a very real affliction which eclipses all else. Once pain has served as a guide to diagnosis, Veganin will be found effective as a means for its prompt elimination.

Veganin affords quick and lasting relief. Unlike morphine with its peril of addiction, Veganin may be given indefinitely without risk of habit formation. Veganin does not cause drowsiness; it merely obliterates the pain and soothes the nervous system.

Severe Pain calls for Veganin

Veganin Tablets offer a synergistic combination of three drugs with differing points of action, with the result that prompt and complete analgesia follows their use.

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Veganin Tablets are not advertised to the public.

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Supplied in tubes of 10 *and* 20 *; boxes of* 100, 500 *and* 1,000 *for dispensing.*

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A supply for clinical trial sent on request.

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IN
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POLYHORMONAL BIOLOGICAL TONIC FOR ORAL ADMINISTRATION

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TRADE MARK BRAND.
PURE HORSE SERUM OF SECOND BLEEDING

AMPOULES (Oral)
1 to 2 per day — before breakfast
in a quarter glass of cold water

SYRUP
1 to 3 tablespoonfuls daily before meals
in a quarter glass of cold water

Samples and literature on application to

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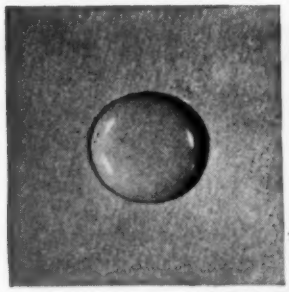

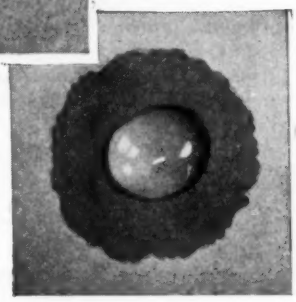

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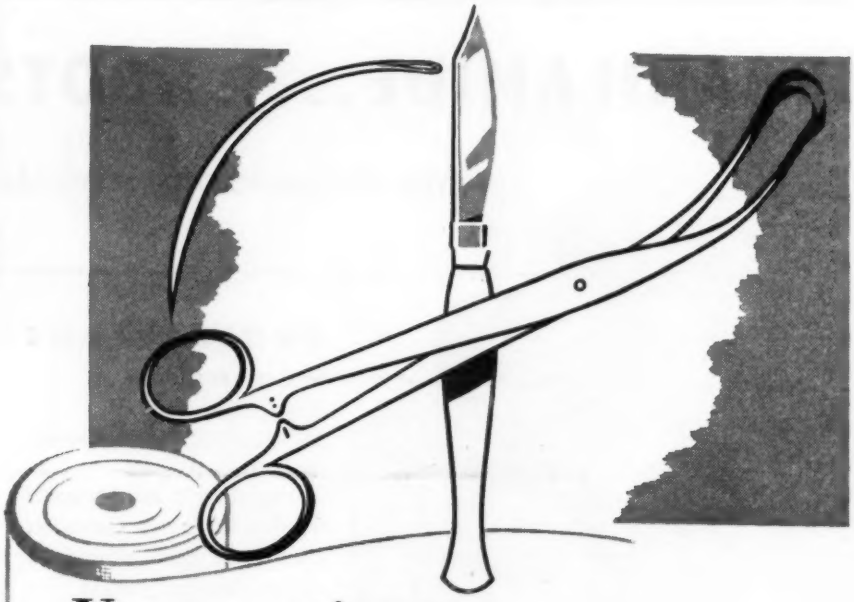

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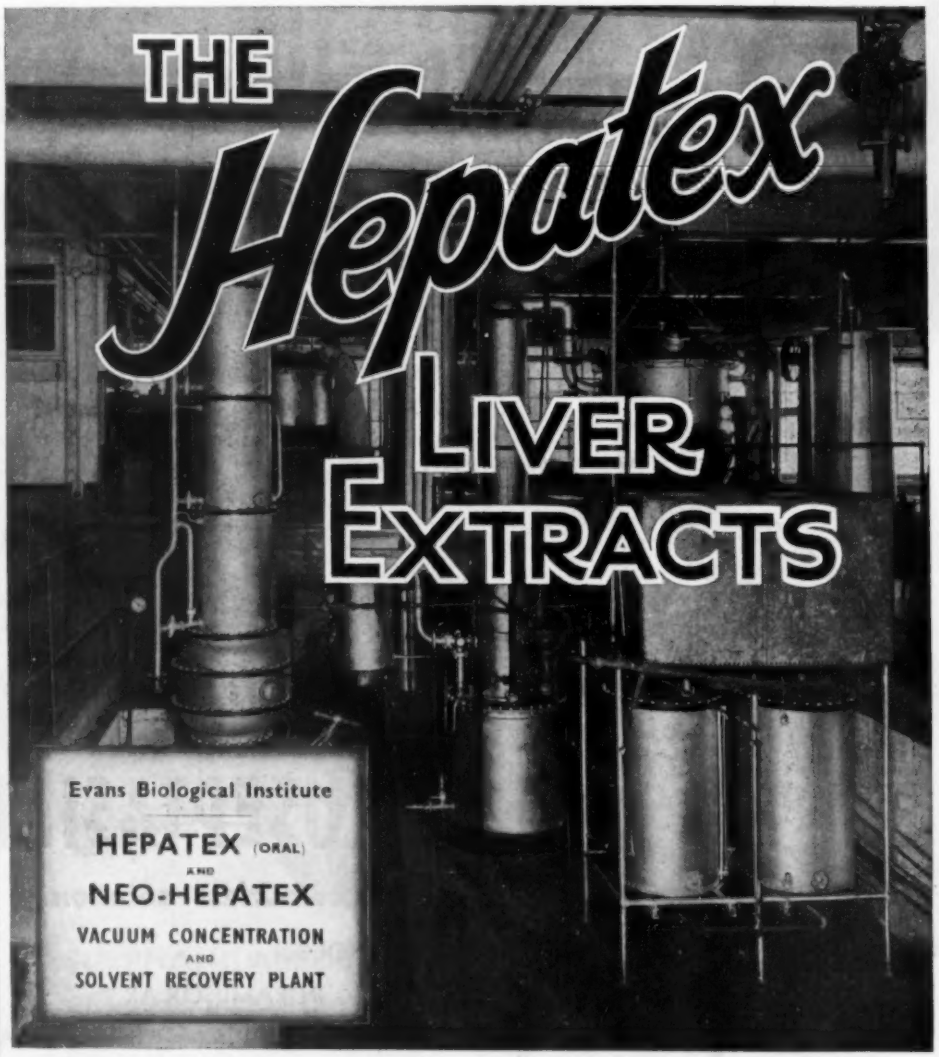

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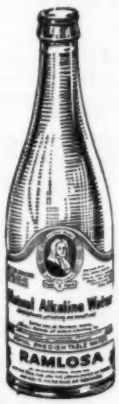

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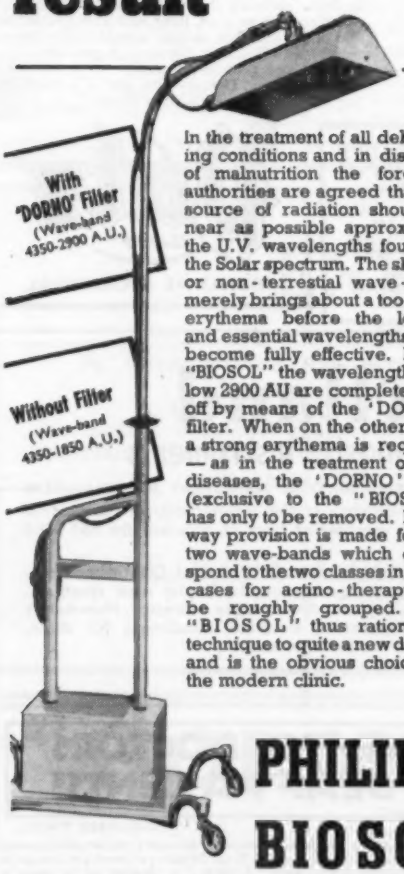

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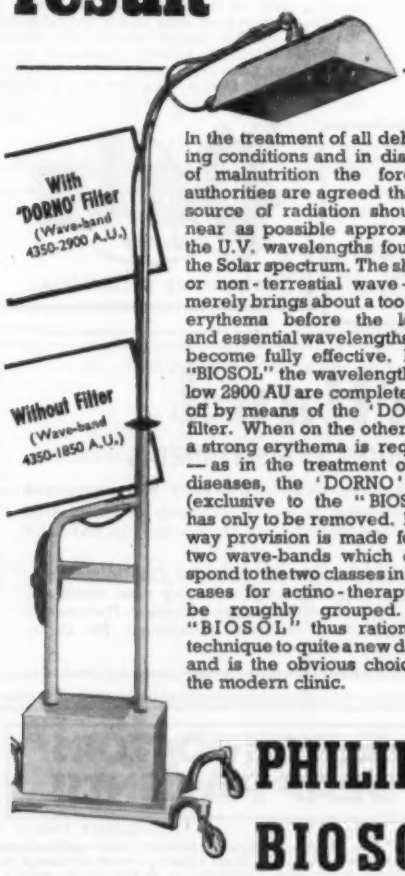

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Candidates who have fulfilled the necessary conditions, and who desire to present themselves for examination, must give notice in writing to the Director of Examinations, Examination Hall, 8–11, Queen-square, London, W.C.1, at least twenty-one days before the date of the Examination, transmitting at the same time such certificates as may be required by the Regulations.

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Fee: £10 10s.

(2) A GENERAL PRACTITIONERS' COURSE from August 15th to September 10th.
Fee: £10 10s. for whole Course; £6 6s. for two weeks.

(3) A GENERAL SURGICAL COURSE from August 15th to September 10th.
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(4) A COURSE ON INTERNAL MEDICINE from October 17th to December 10th.
Fee: £15 15s.

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The Courses will be held only if a sufficient number of entries are received.

Further particulars may be had on application to the Hon. Secretary, Post-Graduate Courses in Medicine, University New Buildings, Edinburgh.

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(*b*) Three Months' further Instruction in Radiology and Electrology, together with three months' clinical work in the Radiological Department of a hospital approved by the Managing Committee for the Diploma.
(*c*) Two Months' experience as Clinical Assistant in the Radiological Department of a hospital approved by the Committee. Hospitals in London, in the Provinces, and Overseas, have been approved for this part of the Course.

Examinations for Part I (Physics) will be held in February and July, 1939, and for Part II (Radiology, Electrology, and Pathology) in July and October, 1939.

The University has decided that the Diploma shall cease to be granted after 1941. *The last Course for the Diploma will start in October,* 1940, *and the last examination will be held in October,* 1941.

The Courses are open to men and women whose medical qualifications are approved by the General Medical Council for purposes of registration, and who satisfy the Committee that they have had sufficient post-graduate clinical experience.

Further information about the Courses may be obtained from:—

G. STEAD, M.A., Secretary for the Diploma, Cavendish Laboratory, Cambridge,

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THE GENERAL SECRETARY, British Institute of Radiology, 32, Welbeck-street, London, W.1.

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FRIDAY, MAY 20TH

DIPLOMA IN LARYNGOLOGY AND OTOLOGY
FRIDAY, JUNE 3RD

DIPLOMA IN PSYCHOLOGICAL MEDICINE
THURSDAY, JUNE 2ND

DIPLOMA IN PUBLIC HEALTH
FRIDAY, JUNE 17TH

Candidates who have complied with the necessary requirements, and who desire to present themselves for examination, must apply in writing to the Secretary, Examination Hall, 8–11, Queen-square, London, W.C.1, at least twenty-one days before the date of the Examination. Applications for Part II are due at the same time as for Part I.

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Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 3841

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary Patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9

NORTHUMBERLAND HOUSE

GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

RUTHIN CASTLE, NORTH WALES

A Private Hospital or Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases).

The weekly fees are from 15 guineas according to the room occupied; rooms with bathroom are from 21 guineas. The charges include all chemical, bacteriological, X-ray or other examinations advised by the doctors, and all the usual forms of treatment, in addition to board and lodging. There are no extra charges except for alcohol (when ordered) and laundry.

An examination and consultation fee of 15 guineas is charged on the first visit.

The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

Address—THE SECRETARY, Ruthin Castle, North Wales.

Telegrams: Castle, Ruthin. *Telephone:* Ruthin 66.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S. Lond. *Phone:* 81 & 82 Witcombe. **Apply:** *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

VALE OF CLWYD SANATORIUM.

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 2251.

LA METAIRIE

Centre of Research and Medico-Psychological Treatments

(Near Nyon, on the Leman, Switzerland) Tel.: Nyon 95,626.

Carefully discriminated and graduated treatments of all nervous and mental affections. Happy environment, magnificent country, temperate climate.

Pathopsychological Institute annexe (Pupillography, &c.). Villa for abnormal children.

Head Physician: Dr. W. BOVEN, Professor of Psychiatry and Characterology at the University of Lausanne. (Consultation-room at Lausanne, by appointment; Tel.: Lausanne 25,838.)

Collaborators: Dr. O. Löwenstein, formerly Professor at the University of Bonn, inventor of the pupillographic method. Madame Dr. Calame.

THE CLINIC

20 Devonshire Place London, W.1

Tel.: Welbeck 4444 (20 lines)

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.). 150 State Registered Nurses. 2 Resident Medical Officers (for emergencies). 8 Operating Theatres.

Patients only received under the supervision of their own Medical Practitioner.

Drugs and Dressings free (other than Proprietary Articles).

Illustrated Brochure on application to Secretary.

The MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

Resident Physicians:
S. VERE PEARSON,
M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS,
M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY,
M.D. (Cantab.).

For all information apply:
THE SECRETARY,
THE SANATORIUM,
MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95
(2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

TERMS FROM 7½ GUINEAS WEEKLY

Bad Kissingen

Treatment by mineral waters and baths. Natural carbonic acid brine, bubbling spring, mud and vapour baths for Stomach, Intestinal, Heart, Vascular, Rheumatic, Liver, Gall and Circulatory Troubles.

Prospectus through the Kurverein

Rakoczy Spring Waters for Home Treatment for the Stomach, Intestines and Circulation.

Obtainable direct from the Spa Management or through selling agents, a list of whom will be supplied.

60% reduction on the railway fare—Cheap travelling marks.

Information through THE GERMAN RAILWAYS INFORMATION BUREAU, 19, Regent Street, LONDON, S.W.1.

BAD - NAUHEIM

40 minutes from Frankfurt-on-Main. **From Victoria 18 hours**

Affections of the Heart and Blood-vessels, Rheumatism, Nervous Disorders, Catarrhs

The action of naturally-warm carbonic-acid springs with saline contents, combined with first-class medical service.
BAD-NAUHEIM possesses in its Balneological Institute and in the William G. Kerckhoff-Institute a combined place of research on affections of the heart and blood-vessels, which provides the theoretical foundations and the scientific guarantee for the treatment of these ailments.

GOLF, SHOOTING, Etc.

Special terms for physicians and their families

For all particulars apply to German Railways Information Bureau, 19, Regent Street, S.W.1, and Tourist Offices, or to Kurverwaltung Bad-Nauheim.

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studa Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**

Illustrated Brochure C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

SUNNYSIDE RESTORIUM
Hassocks, Sussex

The Ideal Centre for Patients convalescing after Illness or Operation, and for those requiring treatment by Physical Methods.

One hour from London, fifteen minutes from Brighton. Situated in delightful grounds overlooking the South Downs, The Sunnyside Restorium with its Southerly aspect and sheltered from cold winds enjoys a climate Mild but not Relaxing, the maximum of Sunshine and a complete freedom from Fogs.

Formed on the American Plan, patients reside in the cheerful atmosphere of a fully licensed, high-class Country Hotel with every modern convenience, yet home comforts, and free from the irksome restrictions of Nursing Home or Clinic.

TREATMENTS available include Foam and other Baths, Radiant Heat, Ultra-violet and Infra-red Ray, Diathermy, Electro-therapy, Massage, Remedial Exercises, etc. Special Dieting when required. All treatments are given by fully qualified Massage Staff, under the supervision of the Resident Physician.

Special attention given to visitors from overseas who are in England for treatment or observation by London Consultants.

LIFT to All Floors.

An Invitation is extended to Medical Practitioners to visit the Restorium. Reduced Terms to Doctors and their Families.

Write for Fully Illustrated Brochure and Terms to:—

THE RESIDENT PHYSICIAN,
SUNNYSIDE RESTORIUM, HASSOCKS, SUSSEX.
Telephone: Hassocks 103.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

Littleton Hall, Brentwood, Essex.
(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
Apply to Dr. HAYNES. Tel.: Brentwood 45.

HILL END HOSPITAL AND CLINIC
FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS
(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO THREE GUINEAS PER WEEK.

For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS

THE COPPICE, NOTTINGHAM.
HOSPITAL FOR MENTAL DISEASES.
President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham

Grove House, All Stretton, Church
STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

CHISWICK HOUSE,
PINNER, MIDDLESEX.
Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY M.D., D.P.M.

STRETTON HOUSE,
Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2368.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—
Dr. ERNEST ROLLINS, Resident Physician.
Tel.: Amherst 1642.

FENSTANTON
Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: Dr. MADELINE R. LOCKWOOD,
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

CITY OF LONDON MENTAL HOSPITAL
Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

HOME FOR EPILEPTICS

MAGHULL (near LIVERPOOL)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £3 p.w. upwards.
2nd Class (men and women) 32/- p.w.

For further particulars apply:
C. EDGAR GRISEWOOD, A.C.A., Secretary,
20, Exchange Street East, Liverpool, 2

CLARENCE LODGE

CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.
HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4913

Apply
MISS THWAITES.

RUSSELLS

HEMEL HEMPSTEAD ROAD, WATFORD

Telephone: WATFORD 5917

This new convalescent home has just been opened for the care and treatment of mild and recoverable mental and nervous conditions in both sexes.

The house is situated high up, in 40 acres of beautiful grounds, 17 miles from London. One Lady Doctor is in residence, and another specialist in psychological medicine is in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.

Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Medical Superintendent.

Telephone: No. 6207 Barnwood.

Telegraphic Address: "Relief, Old Catton." **Telephone:** 290 Norwich.

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

King Edward Memorial Hospital,

Ealing, W.13.
(145 Beds.)

Applications are invited for the following appointments:—
CONSULTING PHYSICIAN.
SECOND CONSULTING LARYNGOLOGIST.
Particulars may be obtained from the undersigned.

R. A. MICKELWRIGHT, House Governor.

Queen Mary's Hospital for the East

END, Stratford, E.15.

HONORARY ASSISTANT SURGEON.

There is a vacancy on the Staff of this Hospital for an Honorary Assistant Surgeon (with charge of Out-patients).

Applications, accompanied by copies of testimonials, from Male candidates only, who must be Fellows of the Royal College of Surgeons of England, should be sent to the undersigned not later than Wednesday, the 27th of April, 1938.

RAPHAEL JACKSON, Major, Secretary.

The Royal Waterloo Hospital for

CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There is a vacancy for the post of HONORARY SURGICAL REGISTRAR at the above Hospital. Candidates must be Fellows of the Royal College of Surgeons, and would be expected to call upon members of the Honorary Medical Staff, a list of whom would be furnished on request. Preference will be given to candidates having had experience of special departments.

Particulars regarding the appointment can be obtained from the undersigned, to whom applications should be sent, not later than April 26th, 1938, with not more than three recent testimonials.

J. H. TEASDALE, Secretary.

The Hostel of St. Luke

(CLERGY NURSING HOME), 14, Fitzroy-square, London, W.1.

The Committee of Management invite applications for the post of RESIDENT MEDICAL OFFICER (Male) to the above Hostel.

Candidates must have had previous experience as House Surgeon at a General Hospital. The appointment is for six months, and may be renewable for a further period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry. A fortnight's holiday will be allowed every six months, and the Locum will be paid by the Committee of the Hostel.

Applications, with three recent testimonials, should be addressed to the Secretary of the Hostel at 14, Fitzroy-square, London, W.1, and reach him before 23rd April. The successful applicant will be required to take up his duties on 2nd May.

The Willesden General Hospital,

Harlesden-road, N.W.10.

Applications are invited for the appointment of CLINICAL ASSISTANT (HONORARY) to the MEDICAL OUT-PATIENT DEPARTMENT (Tuesday afternoon session).

Applications should be forwarded to the Secretary, from whom further details of the appointment may be obtained, and should be received not later than first post on Wednesday, 20th April, 1938.

BOARD OF CONTROL ENGLAND AND WALES

The Board of Control (Lunacy and Mental Deficiency) invite applications from registered Medical Practitioners (Men and Women) for a vacant appointment as COMMISSIONER on the Board's Staff.

Candidates should be experienced in the care and treatment of persons suffering from mental disorder or mental defect.

The salary commences at £850 per annum and rises by 11 annual increments of £30 to £1180 and then to £1200 per annum. In the case of a candidate with special experience of the administration of mental institutions, the commencing salary may be advanced to a point, not exceeding £75 above the minimum of the scale.

The appointment will be subject to the usual Civil Service conditions as to pension, holidays, &c., and also, in the case of women, marriage. Subject to certain conditions, previous established service in a Mental Hospital or Mental Deficiency Institution can be aggregated with Civil Service for superannuation purposes.

Commissioners are required to devote their whole time to the Public Service.

Canvassing through members of Parliament or in other ways will render a candidate liable to disqualification.

Forms of application with further particulars of the appointment may be obtained from the Secretary, Board of Control, Metropole Buildings, Northumberland-avenue, London, W.C.2.

No application can be considered unless received on the prescribed form not later than 7th May, 1938.

Hospital for Consumption and Diseases

OF THE CHEST, Brompton, S.W.3.

The Committee of Management invite Applications for the post of ASSISTANT PHYSICIAN. Applications, with copies of testimonials, must reach the undersigned not later than Monday, 9th May, 1938. Candidates must be Members (or have passed the qualifying examination for the Membership) of the Royal College of Physicians of London.

Applications should not be addressed to individual members of the Committee of Management.

F. G. ROUVRAY, Secretary.

Brompton, S.W.3, April, 1938.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in July, 1938.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list, and periods of unemployed of half pay are very rare. The assistance of private income is not necessary for the purpose of supplementing official pay and allowances.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Naval Medical Officers are included in the Scheme for Marriage Allowance under the same conditions as for other Naval Officers.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1938.

University of London.

The Senate invite applications for the CHAIR OF ANATOMY tenable at the LONDON HOSPITAL MEDICAL COLLEGE. Salary £1000 a year.

Applications (12 copies) must be received not later than first post on 3rd May, 1938, by the Academic Registrar, University of London, Senate House, London, W.C.1, from whom further particulars should be obtained.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

An additional HONORARY REGISTRAR is required for the THROAT, NOSE, AND EAR DEPARTMENT. The appointment is for one year from 1st May next and, subject to annual re-election, may be extended for a period of not longer than three years.

Applicants must be duly qualified registered Medical Practitioners with previous experience in Oto-laryngology.

Applications, accompanied by copies of testimonials, must reach me not later than Thursday, 21st April. Candidates must attend a meeting of the Medical Council at 4.30 P.M. on Friday, 22nd April, and prior to that date call upon and send copies of their applications and testimonials to each member thereof. They must not canvass members of the Board, but nevertheless must send copies of their applications and testimonials to each member thereof and, if so notified, be in attendance at a meeting of the Board at 5 P.M. on Tuesday, 26th April, when the appointment will be made.

H. A. MADGE, Secretary.

ROYAL NAVAL DENTAL SERVICE

Applications are invited for appointment to Commissions as DENTAL OFFICERS in the Royal Navy.

Candidates must be British subjects below the age of twenty-eight years, and preferably unmarried. They must hold the degree or diploma of a British University or College of Surgeons and be registered under the Dentists Act or Medical Acts, and will be required to attend at the Admiralty for interview and physical examination.

Copies of the regulations for entry, rates of pay and allowances, and forms of application may be obtained from the MEDICAL DIRECTOR-GENERAL OF THE NAVY, ADMIRALTY, S.W.1, and from the Deans of Dental Schools.

Royal Chest Hospital, City-road, E.C.1.

(Royal Northern Group of Hospitals.)

Applications are invited for the following post:—

HOUSE PHYSICIAN (Male). Vacant 1st June, for a period of six months. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 22nd April to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital, Holloway, London, N.7.

Dreadnought Hospital,

Greenwich, S.E.10 (SEAMEN'S HOSPITAL SOCIETY).—HOUSE PHYSICIAN required immediately for six months. Salary £110 per annum and a proportion of fees, with board, residence, and laundry. Candidates must be male and single.

Applications, with copies of three testimonials, to be sent in to the undersigned. F. A. LYON, Secretary.

1st April, 1938.

Royal Northern Hospital, Holloway,

N.7.—A vacancy occurs for a CLINICAL ASSISTANT in the EAR, NOSE, AND THROAT DEPARTMENT. Applications should be addressed to the Secretary.

The Samaritan Free Hospital for

WOMEN, Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months commencing May 1st next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, should be sent to the Secretary at the Hospital on or before Wednesday, noon, April 20th, 1938.

G. H. HAWKINS, Secretary.

PHYSIOLOGY AND HYGIENE

Wanted from September Visiting

LECTURER (Man or Woman) in Physiology and Hygiene for women students of Physical Education. Degree or medical qualifications essential.

Applications should be addressed to the Principal, Bergman Osterberg College, Dartford, and should state qualifications and previous experience in teaching or coaching.

The London Chest Hospital,

Victoria Park, E.2.
('Bus, Tram, and Rly., Cambridge Heath, L. & N.E. Rly.)

SURGICAL REGISTRAR (Male).
(Part-time.)

Applications are invited for the above post. The appointment will be for a period of one year with eligibility for re-election for a maximum period of three years.

Honorarium £225 per annum.

Applications, with copies of three testimonials, should be sent to the undersigned from whom further particulars may be obtained, on or before Tuesday, May 3rd, 1938.

THOMAS BROWN, Secretary.

The London Chest Hospital,

Victoria Park, E.2.
('Bus, Tram, and Rly., Cambridge Heath, L. & N.E. Rly.)

MEDICAL REGISTRAR (Male).
(Part-time.)

Applications are invited for the above post. The appointment will be for a period of one year with eligibility for re-election for a maximum period of three years.

Honorarium £175 per annum.

Applications, with copies of three testimonials, should be sent to the undersigned from whom further particulars may be obtained, on or before Tuesday, May 3rd, 1938.

THOMAS BROWN, Secretary.

The Middlesex Hospital, W.1.

Applications are invited for the post of:—
OBSTETRIC AND GYNÆCOLOGICAL REGISTRAR.

The appointment will be for seven months from the 1st June, 1938, and the successful candidate will be eligible to apply for reappointment for two further consecutive years. Salary £300 per annum.

Further particulars may be obtained from the Secretary-Superintendent, to whom applications with copies of not more than three testimonials must be sent by May 14th, 1938.

By order of the Board,
S. R. C. PLIMSOLL, Secretary-Superintendent.

Borough of Hendon.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (Male).

The Hendon Borough Council invite applications for the above post.

Applicants must be fully qualified Medical Practitioners and hold a Diploma in Public Health or an equivalent qualification.

The duties will be mainly in connexion with the Council's Maternity and Child Welfare and School Medical Services, but include other duties under the direction of the Medical Officer of Health.

The salary is £600 per annum, rising by annual increments of £25 to a maximum of £750, with a car allowance of £50 per annum if the successful candidate provides his own car for use in connexion with his duties.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

Applications, on forms to be obtained from the undersigned, together with copies of not more than three recent testimonials to be sent to the undersigned not later than the first post on Monday, 2nd May, 1938.

Canvassing, directly or indirectly, will be deemed a disqualification.

Dated this 1st day of April, 1938.

LEONARD WORDEN, Town Clerk.

Town Hall, Hendon, N.W.4.

London County Council.

ASSISTANT CONSULTING DENTAL SURGEON.

Applications invited for appointment as Assistant Consulting Dental Surgeon in PUBLIC HEALTH DEPARTMENT. Duties will be in connexion with scheme for dental treatment of school-children and other dental services of the Council. Salary £750–£50–£950 a year. Candidates must be licentiates in dental surgery or hold university degree in dentistry.

Applications must be on forms obtainable (stamped addressed foolscap envelope necessary) from Clerk of the Council, County Hall, S.E.1, returnable by 28th April. Canvassing disqualifies.

Corporation of London.

MEDICAL OFFICER OF HEALTH, PORT OF LONDON.

The Corporation of London is prepared to receive applications for the office of Medical Officer of Health for the Port of London.

The commencing salary of the office will be £1500 per annum, rising at the pleasure of the Court of Common Council to £2000 per annum.

Full particulars of the duties of the office and forms of application may be obtained from the Town Clerk, Guildhall, London, E.C.2.

Applications on the prescribed form, together with copies of three testimonials, must reach the Town Clerk's Office not later than noon on Monday, 2nd May, 1938.

ROACH.

Guildhall, E.C.2, 8th April, 1938.

County Council of Middlesex

RESIDENT CASUALTY MEDICAL OFFICER.

Applications are invited for the above appointment at WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH. Candidates must be registered Medical Practitioners who have held the post of both house physician and house surgeon at a general hospital, and have had considerable all round experience.

Salary £350 per annum, with board, lodging, and laundry, valued at £100 per annum.

The officer appointed will be required to deal with casualties and admissions to the hospital, and to carry out such duties as may be allotted to him.

The appointment, which does not at present carry any superannuation rights, will be subject to medical examination, is for a period of six months in the first instance, may be extended for an additional six months, and is terminable by one month's notice on either side.

The officer appointed will work under the direction of the Medical Superintendent and will devote his whole time to official duties.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 30th April. Application forms are not provided. Envelopes must be endorsed "Casualty Medical Officer, West Middlesex County Hospital." Relationship to any member or officer of the Council must be disclosed in the application.

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3."
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 7th April, 1938.

The Metropolitan Borough of Holborn.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the post of Assistant Medical Officer (Male) from registered Medical Practitioners of at least three years standing as such and not over the age of thirty-five years.

The duties of the appointment, which will be a whole-time one under the direction of the Medical Officer of Health, will be concerned with Air Raid Precautions; but will also include such other matters as may from time to time be assigned. The appointment will be terminable by a month's notice on either side.

Candidates should have had experience in air-raid precaution work and must be competent to give lectures and training in first-aid. Preference will be given to those possessing, or undertaking to obtain, a registrable qualification in public health.

The initial salary will be £600 per annum, rising, subject to satisfactory service, by annual increments of £25 to £750 per annum, subject to statutory deductions for superannuation. Appointment will be subject to a medical examination as to physical fitness.

Application forms may be obtained from the undersigned, by whom the completed forms, accompanied by copies of three recent testimonials, must be received on or before 21st April, 1938.

Canvassing, either direct or indirect, will disqualify.

L. WALFORD, Town Clerk.

Town Hall, 197, High Holborn, W.C.1.

British Postgraduate Medical School.

A Part-time DEMONSTRATOR in Clinical Medicine is required as early as possible. The selected candidate will be required to attend on two mornings and one afternoon each week and to carry out such duties as may be allotted to him by the Professor of Medicine. Applicants must hold the degree of M.D. or be Members of the Royal College of Physicians. The appointment will be for one year in the first instance, but may be renewed for further periods. An honorarium of £100 per annum will be paid.

Further particulars can be obtained from the DEAN, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, to whom applications accompanied by copies of three testimonials should be addressed, to arrive not later than the first post on Monday, 25th April.

British Postgraduate Medical School.

Applications are invited for the post of FIRST ASSISTANT (non-resident) in the DEPARTMENT OF MEDICINE at the above-named School to commence duty early in May. Candidates should hold the degree of M.D. or be Members of the Royal College of Physicians. The post will be whole time. Initial salary £300 to £350, according to experience and qualifications.

Further particulars can be obtained from the DEAN, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, to whom applications accompanied by two testimonials and giving the names of two referees should be addressed, to arrive not later than the first post on Monday, April 25th.

The Weir Hospital, Grove-road,

Balham, S.W.12. (30 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER required May 18th (Male, unmarried). Candidates must be fully qualified and duly registered. Salary £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, to be sent to the Secretary, from whom further information may be obtained.

THE HOSPITAL FOR SICK CHILDREN

GREAT ORMOND STREET, LONDON, W.C.1

Appointments to be made Preparatory to the Occupation of the New Hospital

A **RESIDENT ASSISTANT PHYSICIAN,** who is to be the Senior Resident Officer, is required. Duties to commence as soon as possible after the 4th May. Salary £200 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The duties will include those of the former Medical Registrar.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment it a General Hospital. Special experience in infectious diseases as desirable.

TWO RESIDENT MEDICAL ASSISTANTS and **CLINICAL PATHOLOGISTS** are required on the 1st June, 1938. Salary £125 per annum.

These appointments are tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The morning duties will include those of an Out-patient Medical Registrar. The afternoons will be devoted to work in a section of the Pathological Department.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An **OUT-PATIENT MEDICAL OFFICER** (part-time a d non-resident) is required on the 1st June, 1938. Salary £150 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The duties will include those of the former Out-patient Medical Registrar.

Candidates must possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An **ASSISTANT RESIDENT SURGICAL OFFICER** is required; duties to commence as soon as possible after 4th May.

The appointment is tenable for one year. Salary £100 per annum.

Duties will include attendance upon members of the Surgical Staff in the Out-patient Department, the performance of Out-patient Operations, and deputation for the Resident Surgical Officer.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

A **HOUSE SURGEON** is required. Duties to commence as soon as possible after the 4th May.

This appointment is tenable for six months. Salary at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Candidates for the above appointments must attend at the Hospital to appear before the Joint Committee at 4.45 P.M. on Wednesday, 4th May, 1938.

Further particulars and forms of application, which must be completed and returned by noon on Monday, 2nd May, 1938, are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

April, 1938.

The Royal Waterloo Hospital for

CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1938, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Wednesday morning, April 20th, to the Secretary at the above address, from whom further particulars can be obtained.

The Royal Waterloo Hospital for

CHILDREN AND WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY AND ORTHOPÆDIC HOUSE SURGEON.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty and Orthopædic House Surgeon to work in the Out-patient Department with care of Orthopædic beds. Salary at the rate of £150 per annum, with board and residence. The appointment is in the first instance for a period of six months.

Applications, with copies of testimonials, should be sent not later than Wednesday morning, April 20th, to the Secretary at the above address, from whom further particulars can be obtained.

The Grocers Company offer each year

ONE SCHOLARSHIP for the encouragement of Original Medical Research into the Causation of Prevalent Disease or as to Means of Preventing Premature Death. The award, which is tenable for two years from 1st September, is of £300 for the first year and £450 for the second year, in addition to which the Court will grant up to £150 a year towards the cost of special apparatus, &c., required by the Scholar. Candidates should not be more than thirty-five years of age and should submit their applications to the undersigned before the 1st May.

Grocers' Hall, E.C.2. L. HICKMAN BARNES, Clerk.

King George Hospital, Ilford (near London). (207 Beds.)

ASSISTANT CASUALTY OFFICER AND HOUSE SURGEON to SPECIAL DEPARTMENTS (Male) required for six months from 12th May, 1938. Salary at the rate of £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than 2nd May, 1938.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

Borough of Wembley.

APPOINTMENTS.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Borough Council invite applications for the post of whole-time Assistant Medical Officer of Health (an additional appointment).

The duties will be mainly in the Maternity and Child Welfare services of the Council, while the officer will be required to undertake such other duties as the Medical Officer of Health, with the consent of the Council, may assign from time to time.

Candidates must, subsequent to qualification, have had at least three years' experience in the practice of their profession, and special experience of practical midwifery and ante-natal work. They should have had hospital experience in Maternity and Child Welfare work. Preference will be given to applicants holding a diploma in midwifery or child health subjects. The Diploma in Public Health will be considered an additional recommendation.

The salary will be £500 per annum, exclusive of travelling and other expenses, rising by annual increments of £25 to a maximum of £700 per annum. The appointment will be subject to the successful candidate passing a medical examination, the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staff Regulations of the Borough Council, and will be terminable by one calendar month's notice on either side.

Applications on a form to be obtained from the Medical Officer of Health, Public Health Department, Forty-avenue, Wembley, must reach me not later than noon on Wednesday, 27th April, 1938.

Canvassing in any form will disqualify candidates.

PART-TIME ASSISTANT MEDICAL OFFICER.

The Borough Council invite applications from duly qualified Medical Practitioners for a part-time position as Medical Officer in the Maternity and Child Welfare services of the Council.

Experience in ante-natal and maternity and child welfare work is essential. Remuneration will be at the rate of 1½ guineas per session (2 hours). The number of weekly sessions may be variable, but it is anticipated it will be five weekly.

Further information concerning the appointment may be obtained from the Medical Officer of Health, Public Health Department, Forty-avenue, Wembley, while applications on a form to be obtained from the Medical Officer of Health must reach me by noon on Wednesday, 27th April, 1938.

KENNETH TANSLEY, Town Clerk.

Council Offices, Wembley, Middlesex, 14th April, 1938.

Hospital Convalescent Home,

PARKWOOD, SWANLEY, KENT.

(For the Reception of Patients (Women and Children) in an early stage of Convalescence from the London Hospitals. 120 Beds.)

The Trustees of the Home invite applications for the post of LADY RESIDENT MEDICAL OFFICER which will become vacant on 20th May, 1938.

The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent, testimonials, and addressed to C. M. POWER Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Saturday, April 30th, 1938.

Royal Hampshire County Hospital,

WINCHESTER.

(187 Beds, 5 Resident Officers.)

Hospital recognised by the Royal College of Surgeons, England.

HOUSE SURGEON.

Applications are invited from fully qualified men for the above post, to take up duties on 1st May. Six months' appointment. Salary £100 per annum, with board, residence, and laundry.

Candidates, who must be of British Nationality, to make application to the undersigned, enclosing copies of three testimonials.

11th April, 1938. HERBERT MASLEN, Secretary.

INSTITUTE OF PATHOLOGY AND RESEARCH

ST. MARY'S HOSPITAL, LONDON, W.2

A Course of Lectures on PATHOLOGICAL RESEARCH IN ITS RELATION TO MEDICINE has been arranged for the SUMMER SESSION. These Lectures will be given in the Lecture Theatre of the Bacteriological Department of the Institute on TUESDAY AFTERNOONS at 5 P.M., as under:—

	SUBJECT.
APRIL 26th.—DONALD HUNTER, M.D., F.R.C.P. (Physician, London Hospital).	"Observations on the Toxicology of Certain Compounds of Lead, Arsenic, and Mercury."
MAY 3rd.—Sir THOMAS LEWIS, C.B.E., M.D., F.R.C.P., F.R.S. (Physician, University College Hospital).	"Some Observations Upon Ischæmic Paralysis of Nerves in Man."
MAY 10th.—R. A. YOUNG, C.B.E., M.D., F.R.C.P. (Cons. Physician, Middlesex Hospital).	"The Treatment of Pneumonia."
MAY 17th.—Prof. JOHN MELLANBY, M.D., F.R.S. (Prof. Physiology, University of Oxford).	"Bile Salts as the Dominant Factor in Intestinal Secretions and Digestion."
MAY 24th.—Prof. MATTHEW J. STEWART, M.B., Ch.B., F.R.C.P. (Prof. Pathology, University of Leeds).	"Some Aspects of the Silicosis Problem."
MAY 31st.—Prof. B. A. MCSWINEY, Sc.D., B.Ch., M.B. (Prof. Physiology, St. Thomas's Hospital Medical School).	"Afferent Fibres From the Abdominal Viscera."
JUNE 7th.—Sir HENRY HALLETT DALE, C.B.E., M.D., F.R.C.P., F.R.S. (Director, National Institute for Medical Research, Hampstead).	"Chemical Agents Transmitting Nervous Excitation."
JUNE 14th.—Sir JOHN FRASER, K.C.V.O., M.D., F.R.C.S. (Regius Professor, Clinical Surgery, University of Edinburgh).	*The subject of this Lecture will be announced in next week's issue.*

These Lectures are open to all members of the Medical Profession and to all Students in Medical Schools without fee.

Princess Elizabeth Orthopædic HOSPITAL, EXETER.

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months commencing May, with the option of extension for a period not exceeding a further six months.

Applications, stating age and experience with copies of three recent testimonials, to be sent to:—

P. MELHUISH, Secretary.

Liverpool and District Hospital for DISEASES OF THE HEART,

34, Oxford-street, LIVERPOOL, 7.

HOUSE PHYSICIAN required July 1st for six months. Salary at rate of £100 per annum, with board, residence, laundry. Applications to Secretary.

The Guest Hospital, Dudley.

(General Hospital. 139 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

HOUSE SURGEON (Male) required immediately. Salary at the rate of £100–£130, according to experience, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST,
House Governor and Secretary.

April 11th, 1938.

Royal Infirmary, Blackburn.

(244 Beds. Five Residents.)

RESIDENT HOUSE PHYSICIAN (Male) required, at a salary of £175 per annum, with board, residence, laundry, &c.

In addition to Medical Wards to be attached to the Eye, Ear, Nose, and Throat Department.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible.

T. DEWHURST, General Supt. and Secretary.

Royal Infirmary, Blackburn.

County Borough of Southampton.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Corporation of Southampton invite applications from duly qualified Medical Ladies or Gentlemen for the post of Assistant Medical Officer of Health. Salary £500, rising by increments of £25 to £700 per annum.

The successful applicant will be required to carry out work in connexion with the School Medical Services, Maternity and Child Welfare, and any other duties in connexion with the Public Health Services as may be required under the direction of the Medical Officer of Health, which may include work under the Port Sanitary Regulations. Preference will be given to applicants holding the Diploma in Public Health or equivalent qualification.

The appointment will be subject to the Local Government and Other Officers' Superannuation Act, and the successful applicant will be required to pass a medical examination. Canvassing will be a disqualification.

Forms of application may be obtained from the Medical Officer of Health, Civic Centre, Southampton. Applications on the prescribed form, endorsed "Assistant Medical Officer of Health," together with copies of not more than three recent testimonials, must be delivered at the Town Clerk's Office, Civic Centre, Southampton, on or before the 27th April, 1938.

R. RONALD H. MEGGESON, Town Clerk.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £175 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be forwarded on or before the 11th April.

J. KENYON, Secretary.

Great Yarmouth General Hospital.

(72 Beds.)

Applications are invited for the post of HOUSE SURGEON (one of two appointments). Duties to commence 1st May.

Applicant must be male and unmarried.

Salary at the rate of £140 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be forwarded to the undersigned.

FREDK. L. GATFIELD, Secretary.

Administrative County of Essex.

OLDCHURCH COUNTY HOSPITAL, ROMFORD.

APPOINTMENT OF OBSTETRIC SURGEON.

The County Council of the Administrative County of Essex invite applications for the above appointment from registered Medical Practitioners not over forty-five years of age, with special experience in the practice of obstetrics and gynæcology, and holding the qualification of F.R.C.S. or M.C.O.G., to act under the direction of the Medical Superintendent of the Hospital.

The above Hospital has accommodation for 860 patients, with maternity and gynæcological units comprising 40 beds in each unit, and is equipped with all modern departments, and has a visiting staff of consultants.

The salary will be at the rate of £600 per annum, and will rise, subject to satisfactory service, by annual increments of £25 to £750 per annum, together with full residential emoluments valued at £160 per annum. Residential quarters are not available at the Hospital for married men, but applications from such persons who are prepared to provide their own accommodation in the immediate vicinity of the Hospital will not be debarred thereby. In the event of a non-resident appointment being made, until residential quarters are available, the value of the emoluments, amounting to £160 per annum, will be attached to the salary.

The person appointed will be required to devote his whole time to the service of the Council, and to perform such duties and to furnish such advice and assistance appertaining to his office as may be required.

The appointment will be held by the successful candidate during the pleasure of the Council, and will be subject to such alterations of duties as the Council from time to time think fit to order, and will be determinable by the officer by three months' notice in writing.

The person appointed will be required to pass a medical examination, and to contribute 5 per cent. of his salary and emoluments to the fund established by the County Council under the Local Government and Other Officers' Superannuation Act, 1922.

The appointment will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, which will not be returned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Monday, the 25th day of April, 1938.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 5th April, 1938.

City of Bradford.

ASSISTANT CITY PATHOLOGIST required. Salary £500 per annum, rising to £700 per annum by annual increments of £25.

The salary is subject to a deduction of 5 per cent. under the terms of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a satisfactory medical examination.

Application form may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 22nd April, 1938.

N. L. FLEMING.

Town Hall, Bradford, 4th April, 1938.

Preston and County of Lancaster Royal INFIRMARY.

Applications are invited for the post of HOUSE SURGEON to the EYE, EAR, NOSE, AND THROAT WARDS AND CLINICS. Six months' appointment.

Salary at the rate of £150 per annum, with board, residence, and laundry. Total Resident staff of the General Hospital, eight.

Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded to the undersigned.

JOHN GIBSON, Superintendent and Secretary.

4th April, 1938.

Rotherham Hospital.

Wanted: HOUSE PHYSICIAN (Male), qualified. Salary £180, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Burslem, Haywood, and Tunstall War MEMORIAL HOSPITAL, High-lane, TUNSTALL, STOKE-ON-TRENT.

(66 Beds. Approved Training School for Nurses.)

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £175 per annum, with board, residence, and laundry.

The appointment is for six months in the first instance; reappointment may be applied for. Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

CITY OF CAPETOWN

TUBERCULOSIS OFFICER.

Applications are invited from qualified Medical Practitioners, not over forty-five years of age, for the position of Tuberculosis Officer in the City Health Department.

The position will involve such administrative, clinical, home-visiting, and other duties as may be from time to time prescribed.

The appointment will be terminable upon one month's notice on either side, and is subject to the provisions of Provincial Ordinance No. 10 of 1912 (Cape) and amending ordinances and to the standing rules and regulations of the Council.

If the successful applicant is resident in the United Kingdom his first-class fare from Southampton to Capetown will be paid and half-salary during the voyage, and he will be required to enter into a three years' contract with the City Council.

Salary will be at the rate of £800 per annum, rising by annual increments of £50 to £1000 per annum, and a motor transport allowance of £13 a month will be paid. The officer appointed will be required to devote the whole of his time to his office and not to engage in private practice.

Applicants must submit particulars as to age, qualification, present position and past experience, with details as to experience in the diagnosis and treatment of tuberculosis and public anti-tuberculosis schemes; and must also submit a medical certificate of physical fitness. Applications, accompanied by copies of not more than three recent testimonials, must be delivered in a sealed packet endorsed "Tuberculosis Officer" either to the undersigned or to Messrs. Davis and Soper, Ltd., 54, St. Mary Axe, London, E.C.3, from either of whom also certain further particulars as to the position may be obtained on application. If candidates are resident in South Africa applications must be delivered to the undersigned not later than noon, 7th May, 1938; if candidates are resident in the United Kingdom applications must be delivered at the office of Messrs. Davis and Soper, Ltd., not later than noon, 23rd April, 1938.

Applications should state when they can commence duty.

The canvassing of Councillors will be regarded as a disqualification. FRANK G. GALE, Deputy Town Clerk.

City Hall, Capetown, 14th March, 1938.

General Infirmary, Salisbury.

(Voluntary Hospital, 200 Beds, now in course of extension to 215 Beds.)

HOUSE PHYSICIAN (Male) required to commence duty 15th May, 1938.

The appointment is for six months, with the right of applying for reappointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

Derbyshire Royal Infirmary, Derby.

(General Hospital. 362 Beds.)

Applications are invited for the post of HOUSE SURGEON FOR EAR, THROAT AND NOSE DEPARTMENT, who must be a male of British nationality and unmarried.

Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c.

Applications, with copies of testimonials, to be sent to the undersigned.

State earliest date duties could be commenced.

ARTHUR TAYLOR, Superintendent and Secretary.

Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invite applications from gentlemen for the appointment of SECOND HOUSE SURGEON. The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary. W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

Hull Corporation Health Department.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Men, under forty years of age, and of not less than three years' standing in their profession, for the above post.

Preference given to candidates possessing the Diploma in Public Health or equivalent qualification.

Salary £600 per annum, rising by annual increments of £25 to £700 per annum.

Duties consist mainly of work in the School Medical Department.

Experience in refraction work essential.

Applications, on forms to be obtained from the undersigned, are returnable not later than noon on Saturday, 23rd April, 1938. NICOLAS GEBBIE, M.D., Medical Officer of Health.

Health Department, Guildhall, Hull, April, 1938.

City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for a Whole-time Male Assistant Medical Officer of Health. Age not exceeding forty years. Salary £500 per annum, rising by annual increments of £50 to £700. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922. The Diploma of Public Health is essential.

Particulars of the duties of the Assistant Medical Officer may be obtained from the undersigned.

Applications, which must be on the form provided for this purpose, should be accompanied by not more than three recent testimonials, and must be received by the undersigned not later than Saturday, 23rd April, 1938. Envelopes should be endorsed "Assistant Medical Officer of Health."

Canvassing will disqualify.

JOSIAH GREEN, Town Clerk.

Council House, Bristol, 1, 5th April, 1938.

County Borough of Blackburn.

PUBLIC ASSISTANCE DEPARTMENT.

Applications are invited from Medical Practitioners (Male) for the appointment of a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER at QUEEN'S PARK HOSPITAL AND INSTITUTION.

The Staff consists of a Resident Medical Officer, a Resident Assistant Medical Officer, a Consulting Surgeon, a Laboratory Assistant, and an X ray attendant.

There is a separate Infirmary, a separate Mental Block, and a separate Hospital for Children, and there is opportunity for experience in all departments, including Medical, Surgical, and Midwifery cases. An X ray apparatus is installed.

The person appointed will be required to devote his whole time to the duties and also to act as may be directed by the Resident Medical Officer.

The appointment will be limited to a term not exceeding one year.

Salary at the rate of £200 per annum, together with board, apartments, and attendance.

Applications, stating age, qualifications, and experience accompanied by copies of not more than three recent testimonials, must be sent so as to reach the Public Assistance Officer, Public Assistance Offices, Cardwell-place, Blackburn, not later than 10 A.M. on the 21st April, 1938.

CHAS. S. ROBINSON, Town Clerk.

Town Hall, Blackburn, 2nd April, 1938.

The Chester Royal Infirmary.

(225 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN (Male) to take up duty on 1st May. Salary £150 per annum, with board, lodging, and laundry. The appointment is approved for the purposes of the M.D. Examinations of the University of London. Application list closes 22nd April. Application forms may be obtained from W. H. GRACE, M.D., M.R.C.P., Hon. Secretary, Medical Committee.

Norfolk and Norwich Hospital,

NORWICH.
(417 Beds.)

Applications are invited for the post of CASUALTY OFFICER. Salary £120 per annum, with board, residence, and laundry.

Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, stating age, nationality, &c., together with copies of testimonials, should reach the undersigned not later than Tuesday, the 19th April, 1938.

FRANK INCH, House Governor and Secretary.

9th April, 1938.

Bolton Education Committee.

APPOINTMENT OF ASSISTANT (WOMAN) MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

The Education Committee invite applications for the appointment of a Woman Assistant Medical Officer of Health and Assistant School Medical Officer.

The person appointed will be required to assist the School Medical Officer in carrying out the work of medical examination of school-children under the Education Act, 1921, and also when not required in school work, to assist the Medical Officer of Health in Child Welfare and other Public Health work. She must be prepared to devote the whole of her time to the duties of the office and not engage in private practice.

Preference will be given to applicants who :—

(a) Have had some definite experience in School Hygiene ; and

(b) Have enjoyed special opportunities for the study of children.

The possession of a Diploma in Public Health is essential.

The appointment is designated under the Local Government and Other Officers' Superannuation Act, 1922, and is subject to the provisions of that Act.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum.

Applications, endorsed "Assistant School Medical Officer," stating age, qualifications, and previous experience, and accompanied by copies of not more than three recent testimonials must be forwarded to reach the undersigned not later than Saturday, 23rd April, 1938.

Canvassing, either directly or indirectly, will be a disqualification. JOHN A. COX, Director of Education.

Education Offices, Nelson-square, Bolton.

AMENDED ADVERTISEMENT.

Borough of Gravesend, Kent.

ASSISTANT MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications for this appointment are invited from registered Medical Practitioners of not more than forty years of age. Commencing salary £600 per annum, rising by two annual increments of £50 to a maximum salary of £700 per annum.

Candidates must have had at least three years' professional experience and special experience in Antenatal and Maternity and Child Welfare work, and the work of the School Medical Service. The possession of a Diploma in Public Health is necessary.

The person appointed will be required to devote full time to the duties, and not to engage in private practice. Duties to be performed under the direction of the Medical Officer of Health, and to include work in connexion with Air Raid Precautions.

The post will be designated as established for the purposes of the Local Government and Other Officers' Superannuation Act, 1922, and the usual deduction of 5 per cent. will be made from salary. The successful candidate will be required to pass a medical examination by the Medical Officer of Health or an Independent Medical Referee appointed by the Council.

Applications must be made on forms obtainable from the undersigned to whom they must be returned (accompanied by copies of three recent testimonials) not later than the first post on Monday, 25th April, 1938, in envelope endorsed "Assistant Medical Officer."

Canvassing, directly or indirectly, will disqualify.

H. H. BROWN, Town Clerk.

Town Clerk's Office, 4, Woodville-terrace, Gravesend, Kent.
2nd April, 1938.

The King Edward VII Welsh National

MEMORIAL ASSOCIATION

Applications are invited from duly registered Medical Practitioners (Male, single), for the post of ASSISTANT RESIDENT MEDICAL OFFICER (twelve months' appointment) at the NORTH WALES SANATORIUM (247 beds for female pulmonary and male, female, and children non-pulmonary cases), DENBIGH, NORTH WALES.

Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, April 20th, 1938.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Westgate-street, Cardiff.

Stirling District Mental Hospital,

LARBERT.—JUNIOR ASSISTANT MEDICAL OFFICER required. Salary commencing at £300 per annum, with board, lodging, and laundry. Appointment subject to provisions of Asylums Officers' Superannuation Act.

Apply, stating age and experience, with testimonials, to the Medical Superintendent.

County Borough of Wolverhampton.

NEW CROSS HOSPITAL.
(350 Beds.)

ASSISTANT MEDICAL OFFICER (RESIDENT).

Applications are invited from single gentlemen duly qualified for appointment as Assistant Medical Officer at the above Hospital, which contains Medical, Surgical, Maternity, Children's and Isolation Departments, and is modernly equipped.

Experience in anæsthetics, a knowledge of Clinical Pathology and previous Hospital experience will be deemed additional assets.

Salary will be at the rate of £200 per annum, with apartments, board, attendance, &c.

The appointment will be limited to a term not exceeding one year.

Further information as to the duties, &c., may be obtained from the Medical Officer of the Hospital.

Applications, stating age, qualifications, and nationality, together with copies of recent testimonials, should be addressed to : A. G. ALDRIDGE, Public Assistance Officer.

Stafford-street, Wolverhampton.

University of Durham

AND

ROYAL VICTORIA INFIRMARY, NEWCASTLE

CHAIR OF PATHOLOGY.

Applications are invited from Registered Medical Practitioners for the PROFESSORSHIP OF PATHOLOGY, tenable in King's College, Newcastle-upon-Tyne, concurrently with the post of Pathologist to the Royal Victoria Infirmary, Newcastle. Salary £1100.

Twenty-five copies of applications, with twenty-five copies of not more than three testimonials, to be lodged not later than Monday, 9th May, 1938, with the undersigned, from whom further information may be obtained.

W. S. ANGUS, Registrar, University Offices, 46, North Bailey, Durham.

Cardiff Royal Infirmary.

RESIDENT ANÆSTHETIST.
(Male or Female).

It is proposed to appoint a Resident Anæsthetist at the above Hospital, the candidate to submit application on the prescribed form, stating age, sex, nationality, qualifications, and anæsthetic experience.

A list of rules and application form will be sent on application to the undersigned and the completed form should be returned not later than the 2nd May, 1938.

The appointment will be for six months subject to renewal, and the salary will be at the rate of £100 per annum for the first six months and £150 for the second six months if reappointed. R. ARMSTRONG, Medical Superintendent.

Altrincham General Hospital.

(100 Beds.)

Applications are invited for the posts of (1) SENIOR HOUSE SURGEON, salary at the rate of £150 per annum ; and (2) JUNIOR HOUSE SURGEON, salary at the rate of £120 per annum, both with board, &c., to commence duty on or about 1st May, 1938.

Applications, stating age, nationality, qualifications, &c., to be addressed to the undersigned, not later than 30th April, 1938. E. A. BIDEN, Secretary.

The Royal Cripples Hospital,

BIRMINGHAM.
(306 Beds for Acute Cases (including a proportion of patients suffering from Tubercular Bone Disease) and large Out-patient Department.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male) vacant immediately. Salary £200 per annum, plus car allowance. The appointment, which is for a period of six months, is renewable on the discretion of the Medical Board, and is terminable by one month's notice on either side.

Candidates must be unmarried, and preference will be given to those with previous experience in General and Orthopædic Hospitals.

Applications, with copies of three recent testimonials, to be sent to the General Secretary, Royal Cripples Hospital, 80, Broad-street, Birmingham, 15.

Royal Victoria Infirmary,

NEWCASTLE-UPON-TYNE.
(785 Beds.)

Applications are invited for the post of Whole-time REGISTRAR to the ORTHOPÆDIC DEPARTMENT (open appointment).

Candidates must be registered in Medicine and Surgery.

The appointment will be for one year, commencing 9th May, 1938, and may be further renewed on conditions.

The rate of remuneration is £150 per annum.

Regulations governing the appointment must be obtained from the undersigned, and applications, with copies of not more than three recent testimonials, should be received by first post on Thursday, 28th April, 1938.

S. DUNSTAN, House Governor and Secretary.

8th April, 1938.

North Staffordshire Royal Infirmary,
STOKE-ON-TRENT. (390 Beds.)

RESIDENT ANÆSTHETIST.

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

This appointment, which is recognised by the Royal College of Surgeons for the Diploma in Anæsthetics, will be made for six months, renewable.

Previous hospital Anæsthetic experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By Order,
W. STEVENSON, Secretary and House Governor.
28th March, 1938.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.
CANWELL HALL BABIES' HOSPITAL. (84 Beds.)

A WOMAN RESIDENT MEDICAL OFFICER is required for a period of six months. Duties to commence on June 3rd.

Applicants should have had previous experience as a resident House Physician, preferably in a Children's Hospital.

Salary £250 per annum, with board and laundry.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before April 30th, 1938.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

The Public Health Committee invite applications from qualified Medical Women to act as MEDICAL OFFICER in the above Department.

The duties include attendance at maternity and child welfare centres and practical obstetrics.

Applicants should have had a six Months' resident appointment in a children's hospital, and must have had not less than one year's obstetrical experience in a maternity hospital. The Diploma in Public Health will be considered an additional qualification.

The salary will be £600, rising by £25 annually to £700 per annum.

The successful applicant, if not already holding the Master of Midwifery Diploma (S.A.), will be required to obtain this within a year and to reside in close proximity to one of the City maternity homes.

The appointment will be subject to the Birmingham Corporation Superannuation Scheme and to the candidate passing a medical examination, and will be subject to three months' notice on either side.

Applications, endorsed "Medical Officer for Maternity and Child Welfare," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before April 30th, 1938.

Bedford County Hospital.

Wanted SECOND HOUSE SURGEON and CASUALTY OFFICER to take over their duties on May 18th for a term of not less than six months. They must be fully qualified, male, unmarried. Salary £150 per annum in each case, together with board, lodging, and laundry.

Applications, stating age, nationality, and qualifications to be sent to the Secretary, Hon. Medical Staff Committee with three recent testimonials.

York County Hospital.
(204 Beds.)

APPOINTMENT OF HONORARY OPHTHALMIC SURGEON.

Applications are invited for the post of Honorary Ophthalmic Surgeon, which falls vacant on 1st July, 1938.

Candidates should send a copy of their application (stating age) and testimonials, together with diplomas, to the undersigned not later than 1st June, 1938.

Candidates may send such printed or written testimonials to the members of the Elective Committee as they may think desirable, but canvassing, personally or otherwise, will be considered a disqualification. J. R. MACKRILL, Secretary.

Royal East Sussex Hospital, Hastings.

Applications are invited for the post of JUNIOR HOUSE SURGEON, Female, vacant 21st May next. The appointment is for the period of six months.

Salary at the rate of £150 per annum, with board and residence.

Candidates must be duly registered Medical Practitioners.

Applications, with copies of recent testimonials, to be addressed to the Secretary. WILFRID G. KEMSLEY, Secretary.

The Guest Hospital, Dudley.

(General Hospital. 139 Beds.)
The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

Applications are invited from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER (Male). Duties to commence 22nd May, 1938. Salary at the rate of £250–£300 per annum, according to experience, with furnished apartments, board, and laundry. Candidates must have had experience in emergency surgery, and preference will be given to those holding the qualification of F.R.C.S. or M.S.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.
April 11th, 1938.

Huddersfield Royal Infirmary.
(321 Beds.)

MALE HOUSE SURGEON required to be attached to the ABNORMAL MATERNITY DEPARTMENT. Duties, which include the administration of anæsthetics, to commence on May 1st, 1938. Salary will be at the rate of £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal for a similar period.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

Huddersfield Royal Infirmary.
(321 Beds.)

MALE HOUSE SURGEON required to be attached to EYE, EAR, NOSE AND THROAT DEPARTMENTS. Duties, which include the administration of anæsthetics, to commence on May 1st, 1938. Salary will be at the rate of £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal for a similar period.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

Huddersfield Royal Infirmary.
(321 Beds.)

MALE HOUSE SURGEON required to commence duty on May 1st, 1938.

Salary £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal at the discretion of the Board of Management.

The Hospital is officially recognised for the surgical practice required of non-members before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

Manchester Royal Infirmary.

CLINICAL LABORATORY.

The Board of Management invite applications from Bacteriologists of experience for the post of DIRECTOR OF THE CLINICAL LABORATORY. Salary £800 per annum, with superannuation and a share of the fees from private work carried out in the laboratory. The Director appointed may expect University Status and will have facilities for working in the Department of Bacteriology in the Manchester University.

Candidates must be duly qualified and registered: they must state age and send eight copies of their application and testimonials to the undersigned by 9 A.M. on Monday, 9th May, 1938.

Further particulars of the appointment may be obtained from the undersigned.

By order,
F. J. CABLE, General Superintendent and Secretary.

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2. LONDON, WEST END.—Old-estab. PRACTICE, producing last year about £4700, with a substantial panel. Fees 2s. 6d. to 42s., with visits from 3s. 6d. to 21s. House on a long lease. This has been completely remodernised at considerable expense. Further details on application.
3. LONDON, EAST.—Very old-estab. chiefly working-class PRACTICE producing over £1200 p.a., including panel of 1930. Very low expenses. Car not necessary. Rent of surgery premises £35 p.a. Premium 2 years' purchase or near offer. Ill health reason for sale.
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6. LONDON, S.E.—Old-estab. mixed-class PRACTICE for sale owing to vendor's ill-health. Gross cash receipts for past year £761, including panel of 350. Easily worked and capable of increase. Detached house with 2 reception, 6 bedrooms, &c. Price leasehold £1000, part on mortgage. Premium 1½ years' purchase or near offer.
7. SURREY.—BEAUTIFUL COUNTRY DISTRICT NEAR GOOD TOWN.—Well-estab. unopposed mixed-class PRACTICE, increasing, and producing for last year £600. Panel of 776. One appointment worth £30 p.a. Good house with 2 reception, 7 bedrooms, &c. Garage. Three-quarters of an acre of garden. Electric light. Gas. Price freehold £2000. Sport of all kinds. Premium 2 years' purchase. Vendor retiring.
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10. NORTH WALES.—SEASIDE RESORT.—PARTNERSHIP AFTER PRELIMINARY ASSISTANTSHIP.—A Quarter Share (with increase up to one-half eventually) is offered in very good-class non-dispensing Practice averaging for past 3 years £3660 p.a. (last year over £4000). Panel of 1050. Premium 2 years' purchase. Sport of all kinds. Ingoing partner should be experienced and have held hospital appointments.

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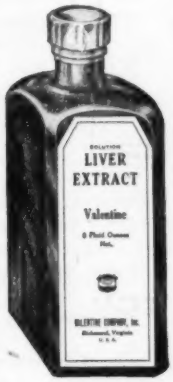

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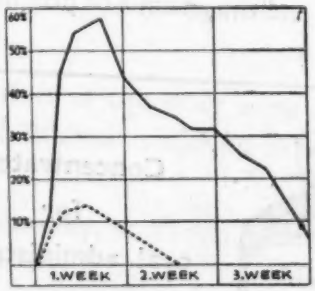

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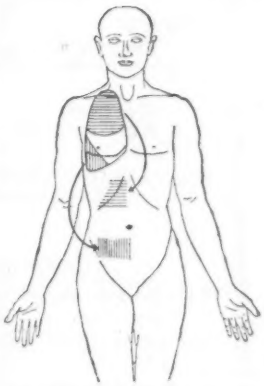

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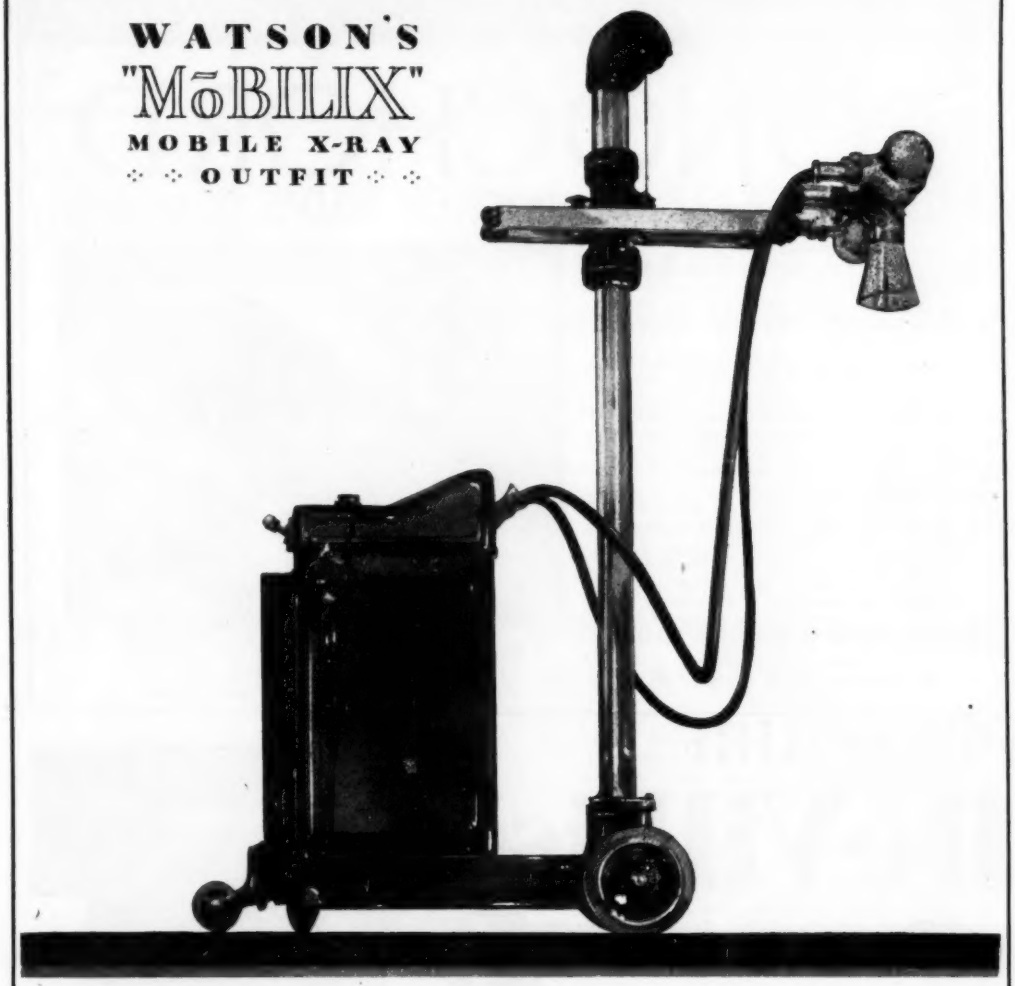
SOLE PROPRIETORS & MANUFACTURERS: ROBINSON & SONS LTD. OF CHESTERFIELD & 168 OLD ST., LONDON, E.C.1

WATSON'S "MOBILIX"

MOBILE X-RAY OUTFIT



*An Open Offer to submit to Any Tests

It is largely to our practice of affording facilities for extensive practical tests before purchase that we owe the exceptional popularity of the "Mobilix" Outfit.

Time and again, independent tests have established beyond doubt the superiority of the radiographic results. In addition the "Mobilix" has many exclusive refinements of electrical design, an unusually wide range of adjustability and—it is *really* mobile.

The value of facilities for efficient radiographic examination of bedridden patients is now widely appreciated; if your hospital is not so equipped,* we shall be very pleased to install a "Mobilix" Outfit on trial without any obligation. May we, in the first instance, send you literature?

BY APPOINTMENT TO THE LATE KING GEORGE V.

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(ELECTRO-MEDICAL) LIMITED

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Manufacturers of X-ray and Electro-Medical Equipment

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BONOCHORD High Fidelity Amplifiers are preferred by all who demand the best obtainable in hearing aids.

Here is a new model which can be worn on the person, while in no way sacrificing the high quality of reproduction for which BONOCHORD Amplifiers are recommended by medical men.

Frequency response is from 200 to 8,000 cycles per second. A Piezo-electric microphone and three stages of amplification are employed, also automatic volume-control and noise-suppression. The aid is entirely dry battery operated, with flash lamp cells for low tension which are obtainable everywhere.

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Acoustic Department:
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BONOCHORD Amplifiers are also obtainable in
LIVERPOOL BIRMINGHAM MANCHESTER
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PRESCRIBE DeVilbiss

No. 15 ATOMIZER

For more than 45 years the medical profession has recognized the value of the DeVilbiss No. 15 Atomizer for applying sprayed solutions in prescribed self-treatment. The adjustable gold tip permits spraying in any direction, the vented nasal guard prevents excess pressure in the nasal cavities and the atomizer may be sterilized easily and rapidly by boiling or passing the tip through a flame.

Dependable and certain in the hands of the patient, the DeVilbiss No. 15 applies the treatment you want gently and thoroughly—may we suggest that you mark "DeVilbiss Atomizer No. 15" on your prescription where its use is indicated.

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Sole Distributors of DeVilbiss Products in the United Kingdom
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CVS-86

PRESTOBAND

REGD. TRADE MARK

PATENTS APPLIED FOR

. . . the *new* SELF-ADHESIVE BANDAGE—it adheres to itself but not to the skin or hair

THIS new type of bandage is made from a pure Surgical Cotton Gauze of high quality, treated by a special process which renders the material *self-adhesive,* whilst at the same time non-adhesive to other substances. The materials used in manufacture are entirely harmless and cannot cause irritation to the skin.

SIX GOOD REASONS WHY PRESTOBAND SIMPLIFIES DRESSING

1 It provides the easiest possible method of bandaging. Simply roll the bandage round and press the end down. It is then firmly fixed. No pins or other fastening necessary.

2 It is equally easy to remove. Find the end and unroll. The bandage will come away cleanly without discomfort to the patient.

3 For most purposes very much less material is necessary. Also less is wasted as the beginning of one bandage can readily be affixed to the end of another.

4 While the material admits air, thus assisting in the healing process, it resists water and is not removed or disturbed while washing.

5 The bandage gives a degree of support quite impossible with the ordinary type. This applies particularly to wrist and ankle sprains, where owing to the property of self-adhesion, fewer turns are required, yet far more support is provided. Eminently suitable for splint work.

6 Owing to the neat finish of the bandage after application, the patient can frequently resume work at once with comfort and safety.

BACKED BY 40 YEARS' EXPERIENCE IN THE MANUFACTURE OF HIGH-GRADE SURGICAL DRESSINGS

PRICES TO THE MEDICAL PROFESSION

Size: 1″ × 4 yards	.. .. ..	2/1½ doz.
2″ × 4 yards	.. .. ..	4/3 ,,
3″ × 4 yards	.. .. ..	6/4 ,,

PRESTOBAND is *self-adhesive* — it sticks to nothing but PRESTOBAND

Obtainable from your usual supplier.

SUPPLIED BY THE MANUFACTURERS, VERNON & CO., LTD., PRESTON, THROUGH WHOLESALE TRADE CHANNELS ONLY

THROMBIN-COAGULANT-MAW DRESSINGS

FOR THE MAJOR OPERATION OR THE MINOR CUT

Some time ago we announced the production of Thrombin-Coagulant-Maw, a preparation of remarkable efficiency for clotting blood.

We now offer a range of Surgical Dressings known as Thrombin-Coagulant-Maw Dressings, to which this preparation has been applied with such regard for the scientific principles concerned, both chemical and physiological, that we venture to suggest a new method of treatment has been found.

THE PHYSIOLOGICALLY CORRECT FIRST DRESSING

Whenever a wound is accessible to the application of a Dressing, T.C.M. Dressings will be found of great value in all cases requiring hæmorrhage control. They are very reasonable in price and represent a true economy of your own time and money, whenever hæmorrhage has to be treated.

A PRODUCT OF THE MAW LABORATORIES

Full particulars on application to

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GERMICIDAL EFFICIENCY maintained in the presence of organic matter.

In the conduct of labour 'Dettol' possesses marked superiority over carbolic and cresylic antiseptics. 'Dettol' has a Rideal Walker co-efficient of 3.0, yet 'Dettol' can be used at really effective strengths—without discomfort, danger or staining. 'Dettol' maintains high bactericidal efficiency in the presence of blood and other organic matter. 'Dettol' is a clean, clear, non-poisonous fluid—with a distinctly pleasant smell.

Sold by Chemists and Medical Suppliers in bottles, 1/-, 1/9, 3/-, 5/- and 7/6, and in larger sizes for Medical and Hospital use. These prices do not apply in Eire or Overseas. Sample, and full information on request.

'DETTOL' TRADE MARK **THE MODERN ANTISEPTIC**

RECKITT AND SONS, LTD. (PHARMACEUTICAL DEPT.) HULL. LONDON: 40, BEDFORD SQUARE, W.C. 1.

the prevention of infection—

it is now generally agreed that "*deficiency of the vitamin-B complex may be related to increased susceptibility to certain kinds of infection.*"
(Proc. R. Soc. Med. 1937, **30**, 1039)

A popular method of raising the vitamin-B content of the diet consists in the systematic administration of Marmite. This yeast extract is rich in all the vitamins of the B group, and is being increasingly prescribed for its health-promoting properties.

Marmite is ordered as a routine measure all the year round in private practice and in hospitals, schools and welfare centres; and when epidemics prevail its use is especially indicated. On account of its appetising flavour Marmite is appreciated by patients of all ages, but children find it a particularly attractive dietary adjunct.

in preventive and curative medicine and in convalescence

MARMITE

For sample and literature apply to :—

THE MARMITE FOOD EXTRACT CO. LTD., Walsingham House, Seething Lane, London, E.C.3.

In jars : 1-oz. 6d., 2-oz. 10d., 4-oz. 1s. 6d., 8-oz. 2s. 6d., 16-oz. 4s. 6d. Special quotations for Marmite packed for use in hospitals, clinics, welfare centres, etc.

384

A natural glucose

that is inexpensive

When glucose treatments are called for, many authorities prescribe VITA Grape Juice which has a 60% natural glucose content and so is far less costly than any synthetic substitute. Non-alcoholic and highly concentrated by a low temperature process, it retains the therapeutic power of the living fruit because its ferments are alive and vigorous, its vitamins unchanged.

We invite the practitioner to enquire for further particulars and a sample bottle.

VITA CONCENTRATED JUICES LTD.
39-45 FINSBURY SQUARE
LONDON, E.C.2. *Phone* **NATIONAL 0081**

60% NATURAL GLUCOSE CONTENT

Prostatic Hypertrophy

Clinical Report :—

"I have had a marked success in a case of prostatic hypertrophy. The patient had suffered from this trouble for some time.

"There was an enormous soft enlargement of the prostate, and he had all the usual urinary discomforts—difficulty in starting, frequent desire for micturition, disturbed nights, etc.

"I put him under the conjoint treatment of 'Opojex' and 'Opocaps' Prostatic (B.O.C.), giving three injections weekly and three capsules daily for about three months.

"He began to show signs of improvement after about the first month's treatment, and at the end of the three months' course, he had derived such marked benefit that all the symptoms had practically disappeared. As I then wished to have an expert's opinion on the condition of the patient's prostate, I sent him to a hospital for genito-urinary diseases, and the surgeon who made the examination reported that he could not understand why the patient had been sent to the hospital, as he could not find any enlargement of his prostate.

"This is, I consider, a remarkable result." M.B., B.Ch.

Report 4 years later :—

"This patient has had no relapse."—M.B., B.Ch.

℞ **"Opocaps" Prostatic (B.O.C.), gr. 3** *(oral)*

Mitte - - - sig. 1 t.d.s., a.c. *(Supplied in boxes of 50 or 100 capsules.)*

Also "Opojex" Prostatic (B.O.C.) *(for injection)*

Mitte - - - - sig. 1 in die (or dieb. alt. when given concurrently with "Opocaps")

(Supplied in boxes of 6 or 12 ampoules 2 c.c.)

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IN PARENTERAL LIVER THERAPY

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Each 2 cc. ampoule of Examen Liver Extract contains the specific anti-pernicious anæmia principle derived from 100 grams of fresh liver. This unusually high concentration permits of small and relatively infrequent dosage. *For treatment of pernicious anæmia :* 4 cc. and then 2 cc. each fortnight until blood count is normal. *For maintenance :* 2 cc. each 3-5 weeks.

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The high potency of Examen is contained in an average of *only* 10-15 mgms. of total solids in each 2 cc. ampoule. Examen is painless on injection and produces no allergic reactions.

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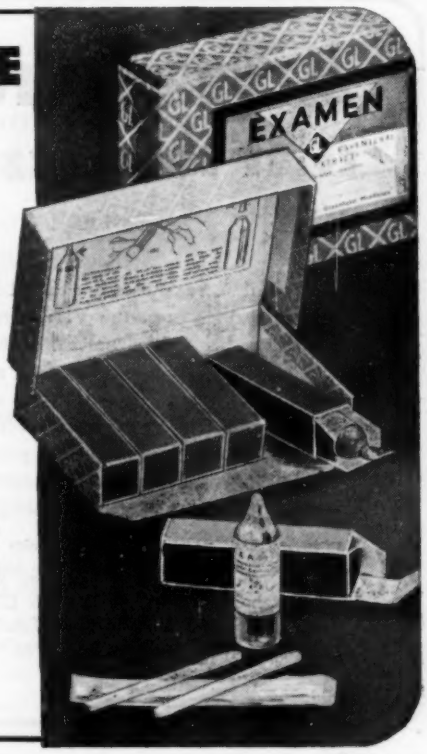
Extensive clinical trials preceded the introduction of Examen and established that its potency and purity are completely dependable. Furthermore, every batch of Examen is individually subjected to clinical test. Examen may thus be regarded with confidence as the most efficient liver extract available for the control of pernicious and other macrocytic anæmias.

PRICES :
3 × 2 cc. G.L. ampoules, 13/6 ; 6 × 2 cc. ampoules, 25/-
Less usual professional discount.

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434.



G.L.258

ANAHÆMIN B.D.H.

In sub-acute combined degeneration of the cord

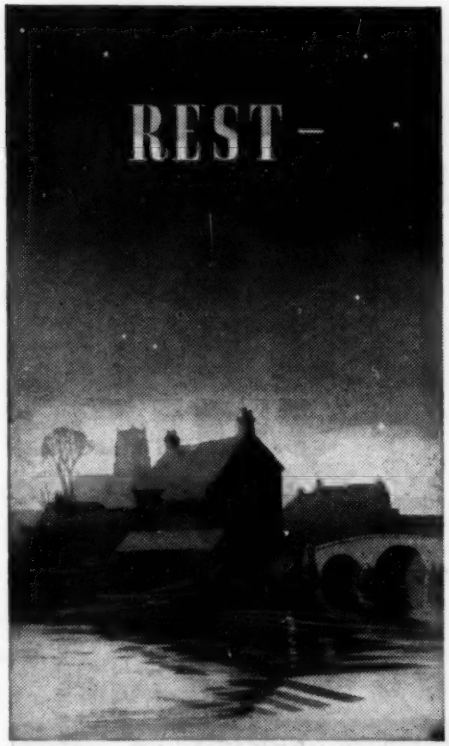
Reference has recently been made (Goulstonian Lectures, 1938) to the value of Anahæmin in sub-acute combined degeneration of the cord. Dosage which is adequate for the treatment of pernicious anæmia, as indicated by the maintenance of a red blood cell count of 5,000,000 or more, is effective in preventing the onset of symptoms of sub-acute combined degeneration of the cord. In the treatment of this condition, however, two or even three times the normal dosage of Anahæmin required for the treatment of pernicious anæmia may be necessary.

No undesirable effects have been reported following the administration of such abnormally large doses of Anahæmin, and it is accordingly recommended that, in order to prevent the onset of symptoms of sub-acute combined degeneration, dosage should in all cases be such as will ensure that the red blood count does not fall below 5,000,000.

Literature on request

THE BRITISH DRUG HOUSES LTD. LONDON N.1

AN/S/42



A pleasant and beneficial night's rest is assured....

when 'Endrine' is used immediately before retiring. It ensures easy breathing during the night by quickly relieving nasal catarrh.

'ENDRINE'

Brand Regd.

NASAL COMPOUND

Samples on request from

JOHN WYETH & BROTHER LTD.
25, Oldhill Place London, N.16

Distributors for Petrolagar Laboratories Ltd.

TRADE MARK **'SODIUM AMYTAL'** BRAND

SODIUM ISO-AMYL ETHYL BARBITURATE

SEDATIVE, HYPNOTIC, ANTICONVULSANT

● Indicated in obstetrics, pre-operative medication, stubborn insomnia, seasickness, convulsions of tetanus, and cerebral irritation associated with brain concussion or skull fracture.

Where oral administration is not feasible as in eclampsia, status epilepticus, delirium or manic psychosis, convulsions of strychnine poisoning, the parenteral use of 'Sodium Amytal' meets the need for immediate relief.

'Sodium Amytal' for oral use is supplied in 1 grain and 3 grain filled capsules in bottles of 40 and 500, and for parenteral use in ampoules of 1·0 gramme, 0·5 gramme, 0·25 gramme, and 0·125 gramme.

ELI LILLY AND COMPANY LIMITED

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Distributing Agent in Britain for

ELI LILLY AND COMPANY, INDIANAPOLIS, U.S.A.

In Gastro-Intestinal Disorders

Allenburys

BEEF JUICE

In such conditions it is a primary consideration that the food should be light and unirritating. In gastric and duodenal ulceration and in the dyspepsias, Allenburys Beef Juice may safely and advantageously be given, where beef tea would often increase the pain and have a harmful effect. Because of its high protein and vitamin content, it provides a valuable means of keeping up a patient's strength.

In bottles at 1/9 and 3/- each.

Descriptive literature and clinical trial sample will be sent on application.

ALLEN & HANBURYS LTD., London, E.2

THYMINIC ACID BASE

URALYSOL

TRADE MARK

FORMULA

Thyminic Acid	0·10
Hexamethylenetetramine Anhydromethylenecitrate	0·50
Hexamethylene Tetramine	2·50
Piperazine Tartrate ..	0·25
Lithium Carbonate ..	1·00
Sodium Benzoate ..	1·00
Effervescent Base ..	ad 100

DIRECTIONS

One teaspoonful to be taken morning and night in a tumblerful of water.

Uralysol, in addition to being a solvent and eliminator of pathological Uric Acid, is a powerful urinary antiseptic.

Normally there exists in the body a certain quantity of uric acid, which assists general metabolism, and after it has played its part is eliminated together with the normal thyminic acid of the organism. When, however, uric acid is present in excess, the body needs additional thyminic acid to supplement the resultant deficit of this normal solvent of uric acid.

Uralysol, by its thyminic acid content, supplies the agent necessary to dissolve excessive uric acid.

The next step is the elimination of this thyminic-uric acid which, being in excess of normal, necessitates treatment by an agent capable of enhancing elimination.

Uralysol, by its content of hexamethylenetetramine and lysidin, stimulates the organism to eliminate the pathological uric acid already dissolved by its thyminic acid content.

Samples and literature on request.

CONTINENTAL LABORATORIES LTD. 30 MARSHAM STREET, LONDON, S.W.1

The new non-poisonous germicide

ZANT

For Surgical, Obstetrical and Medical Purposes

A combination of para-chlor-meta-xylenol with pine and other essential oils prepared by a suitable method of saponification.

ZANT HAS A RIDEAL-WALKER CO-EFFICIENT OF SIX

NON-IRRITANT

and

NON-STAINING

Issued in:

Bottles	5 fld. oz.	1/- each
,,	10 ,, ,,	1/9 ,,
,,	20 ,, ,,	3/- ,,
Tins	½ gall.	7/6 ,,
,,	1 ,,	12/6 ,,

Made by

EVANS SONS LESCHER & WEBB LTD. **Liverpool and London**

KNOLL

Cardiazol	Cardiazol-Quinine	Cardiazol-Ephedrine
Respiratory and Circulatory Analeptic and Stimulant.	**Antipyretic and Stimulant in Febrile Disorders.**	**Bronchospasmolytic and Circulatory Tonic.**
Exceptionally rapid action. Devoid of the disadvantages of camphor.	Regulates the heart action. Ecbolic in primary feebleness of labour.	uniting central and peripheral action. Well-tolerated Ephedrine medication.
Well suited for protracted treatment and states of acute danger.	Raises quinine tolerance, at the same time supporting and saving the circulation.	In Bronchial Asthma and Circulatory Disturbances.
Tablets — Liquid — Ampoules.	Dragées and Ampoules.	Tablets — Liquid — Ampoules.

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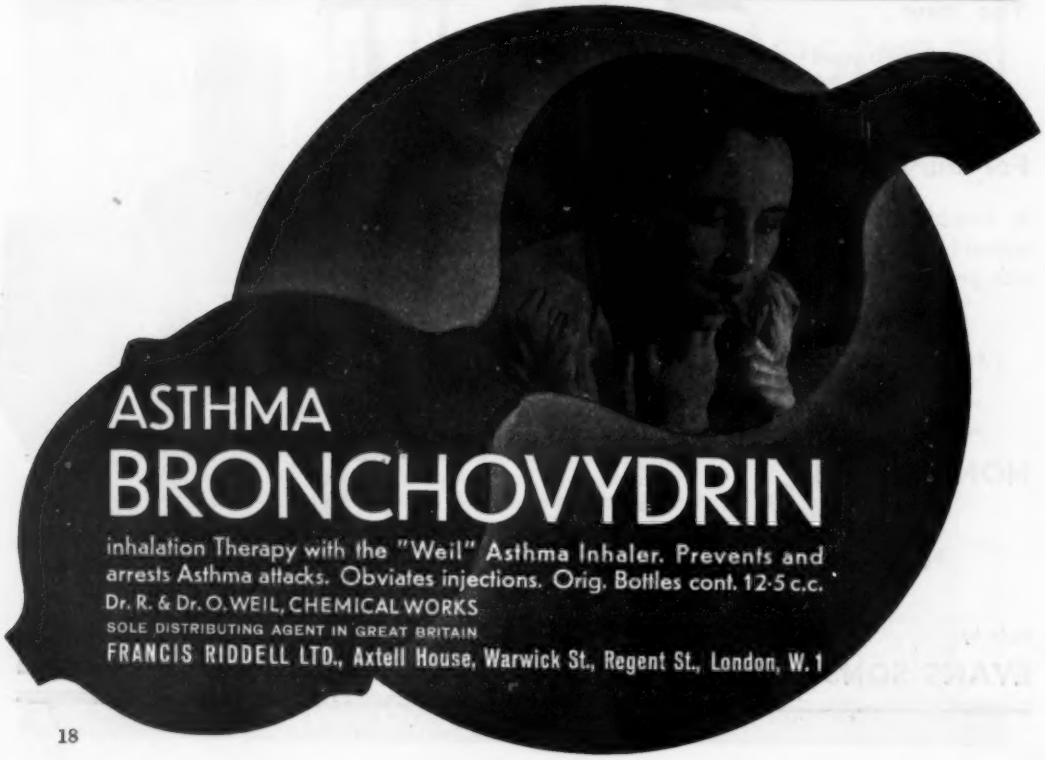
Sole Importers and Publicity Agents: KNOLL, LIMITED, 60, Welbeck Street, LONDON, W. 1.



OESTROFORM

For Relief of Menopausal Symptoms

Oestroform is an ester of pure oestrogenic hormone standardised in International Benzoate Units; it possesses a specific action in the treatment of symptoms associated with the menopause.

Injections of Oestroform, 20,000 or 50,000 I.B.U. according to whether the condition is moderate or severe, should be administered twice weekly for three or four weeks until the symptoms have been brought under control. If the patient is still menstruating, treatment should be confined to the first half of the intermenstruum; when menstruation has ceased treatment may, of course, be continuous.

As soon as alleviation of symptoms has been attained dosage should be reduced, the object of treatment being not to postpone the onset of the menopause indefinitely but merely to keep the distressing symptoms in abeyance and to allow the patient to become adjusted gradually to the endocrine changes which are taking place.

Eventually it may be found that the oral administration of Oestroform tablets alone, three of 1000 I.U. daily, may be sufficient to maintain the patient's hormonal level adequately.

Literature on request

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Hor/S/35a

NEVROCAL

(Squire's Glycerophosphate Syrup with Strychnine)

A combination of the essential minerals, Iron, Calcium, Potassium and Sodium with assimilable Phosphorus and Strychnine

Indicated in cases of

Nervous Irritation Depression Lack of Energy

and

Particularly suitable during the convalescence from Influenza

In 6 oz. and 12 oz. bottles. Dose: Two teaspoonfuls three times a day.

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Chemists on the Establishment of the King

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We are gratified at the continued support that we are receiving from members of the Medical Profession for

DINNEFORD'S

Pure Fluid **MAGNESIA**

and we believe that we shall continue to justify their confidence

DINNEFORD'S MAGNESIA IS NOW SUPPLIED IN TABLET FORM — 1/- PER BOX OF 30 TABLETS

May we send you a trial box?

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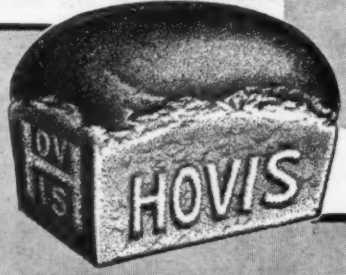
C.F.H.

25% ADDED WHEAT-GERM



RICH IN VITAMIN 'B'

The high Vitamin "B" content in **HOVIS** increases its nutritive powers and acts as an aid to regularity.

Macclesfield

BEST BAKERS BAKE IT

H.278

COLLIRON

COLLOIDAL IRON HYDROXIDE

(with a trace of Copper)

For the effective treatment of

Secondary Anæmia, Debility and Fatigue

The dosage of Colliron

Adults—20 minims three times daily after meals.
Children—5 to 10 minims three times daily after meals.

Colliron is issued in bottles :

4-fld. oz.	3/-	16-fld. oz.	9/8
8-fld. oz.	5/4	80-fld. oz.	40/-

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Liverpool and London

A PRODUCT OF
EVANS BIOLOGICAL INSTITUTE

PURE CRYSTALLINE

ROCHE VITAMIN B_1

Roche Products Ltd., who first introduced 'Benerva' Vitamin B_1 in May, 1936, have pleasure in announcing that this preparation is now

Manufactured in England

at their laboratories in Welwyn Garden City, Herts. 'Benerva' is issued in oral tablets, each containing 1 mg. aneurin, equal to 500 int. vitamin B_1 units, 1 c.c. ampoules, each containing 2 mg., and 'Benerva'-Forte ampoules, each containing 10 mg.

'BENERVA'

Oral Tablets and Ampoules

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RADIOSTOLEUM EMULSION WITH VITAMIN C

The difficulty experienced in the administration of Vitamins A and D in the form of an oil and Vitamin C in the form of orange juice to infants, whether breast-fed or bottle-fed, is obviated by the use of Radiostoleum Emulsion with Vitamin C. It mixes readily with the feed of the bottle-fed infant, or it can easily be given direct from a spoon. Each teaspoonful contains 6000 international units of Vitamin A, 200 international units of Vitamin C and 1200 international units of Vitamin D.

Samples for clinical trial are available on request.

Radiostoleum Emulsion with Vitamin C is issued in bottles containing 4 fl. oz. at 2/6 per bottle.

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Rstm/Em/S/351

'Euvalerol' Elixirs *for the treatment of* Nervous Disorders

The "Euvalerol" Elixirs are prepared from fresh valerian root by a special process which, while ensuring the retention of the active principles contained in the volatile oil of valerian, eliminates the objectionable odour that ordinary valerian products have.

"Euvalerol" Elixir A

contains the odourless preparation of valerian in Aromatic Elixir. Each fluid ounce is equivalent to approximately one fluid drachm of Tinct. Valer. Ammon., B.P.

"Euvalerol" Elixir B

is "Euvalerol" Elixir A with the addition of phenyl barbitone gr. ½ to each fluid drachm, and with a lighter tint, for ease of identification.

"Euvalerol" Elixir C

is "Euvalerol" Elixir A with ammonium bromide gr. 30, strontium bromide gr. 15, and a small amount of sal volatile, in each fluid ounce. It has a darker tint than the two other "Euvalerol" Elixirs.

For Prescribing: 4 oz. and 8 oz. bottles.
For Dispensing: 40 oz. and 80 oz. bottles.

Descriptive Literature will be sent on application.

Allen & Hanburys Ltd
LONDON E.2.

Telephone: Bishopsgate 3201 (12 lines)
Telegrams: "Graesburys Beth London"

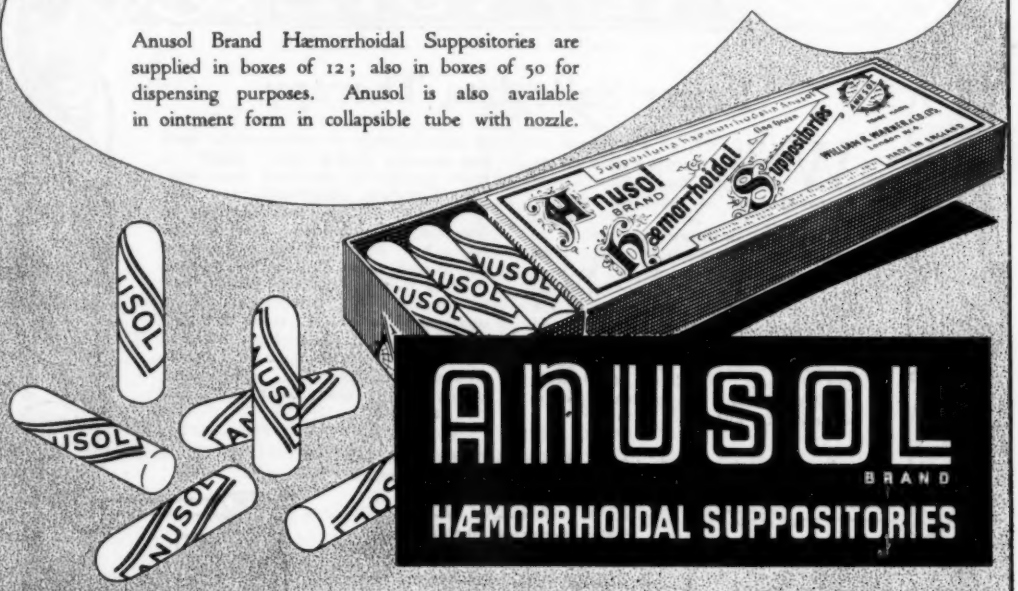
The Treatment of HÆMORRHOIDS

When surgery remains the only means to a permanent cure but is ruled out by pregnancy, advanced cardiac or renal conditions, and hepatic disease, Anusol Hæmorrhoidal Suppositories afford the patient substantial relief.

Inflammation and congestion are reduced, pain is alleviated and hæmorrhage is controlled, without recourse to narcotic, anæsthetic or mydriatic drugs.

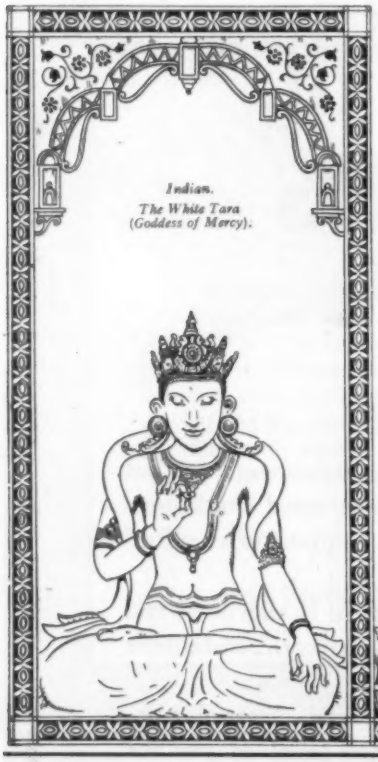
In cases where surgical treatment is employed, Anusol Suppositories render effective aid in preparing the involved area for operation; after which they relieve pain and discomfort, protect the traumatised tissues and favour uneventful healing.

Anusol Brand Hæmorrhoidal Suppositories are supplied in boxes of 12; also in boxes of 50 for dispensing purposes. Anusol is also available in ointment form in collapsible tube with nozzle.



ANUSOL
BRAND
HÆMORRHOIDAL SUPPOSITORIES

WILLIAM R. WARNER & CO. LTD., POWER ROAD, CHISWICK, LONDON, W.4



"ALOCOL"

Colloidal Hydroxide of Aluminium

Improved Antacid Therapy

SODIUM BICARBONATE, bismuth salts and other time-honoured antacids having each proved to possess individual disadvantages, an agent such as "Alocol" which combines the best therapeutic features of these with intrinsic merits of its own, must be of interest to the physician.

"Alocol" is a powerful antacid agent which forms with the stomach contents a colloidal jelly with the power of adsorbing free hydrochloric acid, thus fixing it and eliminating it from the system. It has a remarkably soothing effect on the inflamed or irritated gastric mucosa and is, therefore, rapidly effective in relieving pain. Being non-absorbable "Alocol" is free from any risk of "alkalosis."

"Alocol" can be prescribed with confidence in all cases where alkaline therapy is indicated. Issued in tablet and powder form.

Complete chemical history of "Alocol," with convincing clinical reports and supply for trial sent free to physicians on request.

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Works: KING'S LANGLEY, HERTFORDSHIRE.

M257

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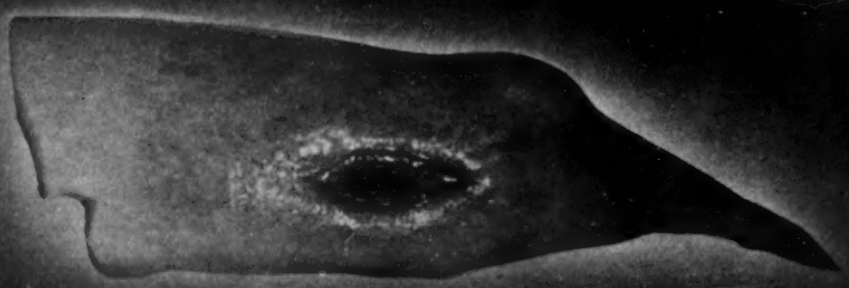

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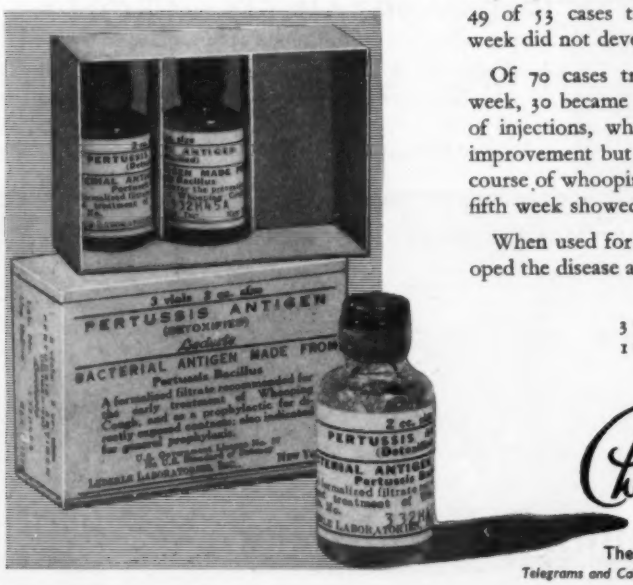

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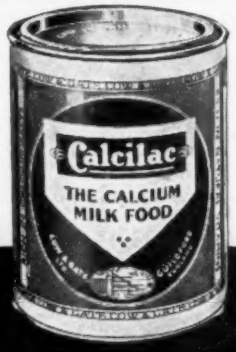

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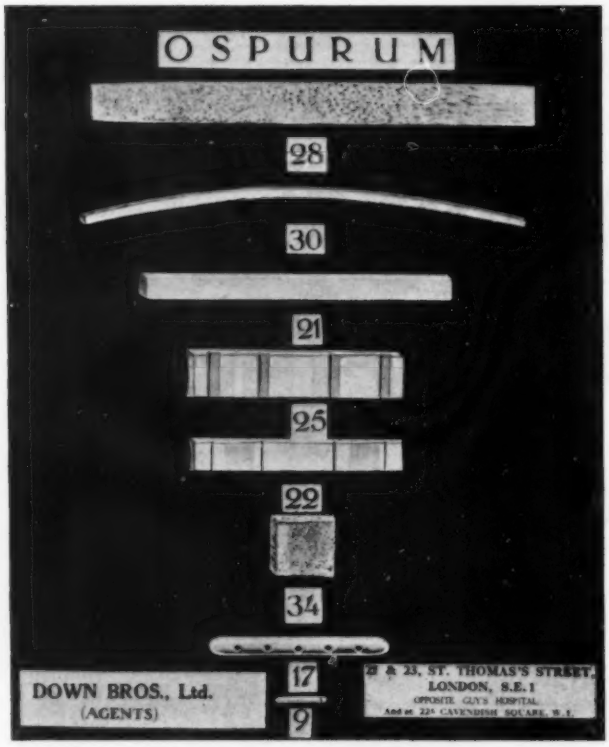

OSPURUM

Vide Surg. Gyn. Obst., January, 1938

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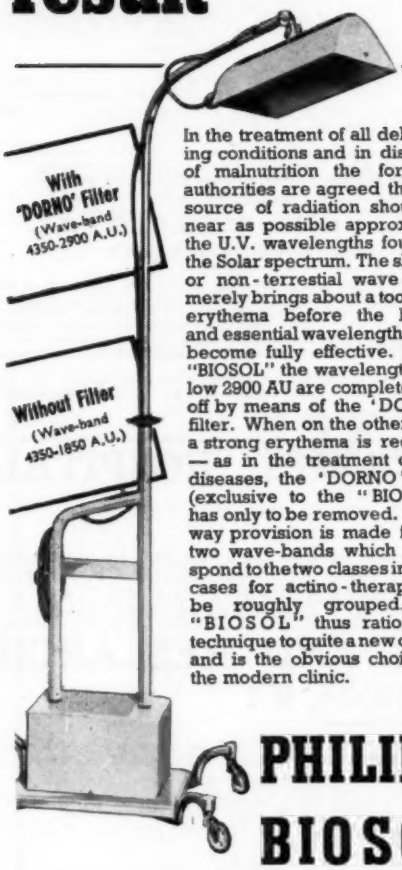

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MAY 10th.—R. A. YOUNG, C.B.E., M.D., F.R.C.P. (Cons. Physician, Middlesex Hospital).	"The Treatment of Pneumonia."
MAY 17th.—Prof. JOHN MELLANBY, M.D., F.R.S. (Prof. Physiology, University of Oxford).	"Bile Salts as the Dominant Factor in Intestinal Secretions and Digestion."
MAY 24th.—Prof. MATTHEW J. STEWART, M.B., Ch.B., F.R.C.P. (Prof. Pathology, University of Leeds).	"Some Aspects of the Silicosis Problem."
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JUNE 7th.—Sir HENRY HALLETT DALE, C.B.E., M.D., F.R.C.P., F.R.S. (Director, National Institute for Medical Research, Hampstead).	"Chemical Agents Transmitting Nervous Excitation."
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Travel Facilities for the Conveyance of Invalids

The Great Western Railway Company offer excellent facilities for the conveyance of hospital patients and other invalids.

Patients can make a throughout journey on the Company's new type of stretcher, which very materially adds to the comfort of invalids who have to travel lying down.

The Company also have well appointed invalid saloons fitted with special couches suspended between the roof and floor to prevent oscillation, bedding being provided where necessary. The invalid saloons also contain arm-chairs, settees, and table.

Meals are obtainable in most cases; invalid chairs are available; and every assistance is rendered by the Company's Staff.

Full details of these facilities may be obtained from the Superintendent of the Line, G.W.R., Paddington Station, or from any G.W.R. Station Master.

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths, Turkish and Russian Baths. Aix and Vichy Douches, Massage Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARRINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). TERMS, 13s. to 18s. per day, inclusive of board.
Illustrated Brochure C.J. and full information on request.
Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

THE CLINIC
20 Devonshire Place
London, W.1
Tel.: Welbeck 4444 (20 lines)

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.).
8 Operating Theatres.
150 State Registered Nurses.
2 Resident Medical Officers (for emergencies).
Patients only received under the supervision of their own Medical Practitioner.
Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

HILL END HOSPITAL AND CLINIC

FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS
(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.
FEES TWO TO THREE GUINEAS PER WEEK.
For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS

PRIVATE NERVOUS AND MENTAL PATIENTS

London County Council.—Accommodation for Male Patients suffering from nervous and mental disorder (voluntary, temporary, or certified) is provided in the private section of Claybury Hospital, Woodford-bridge, Essex. Terms, exclusive of clothing and special luxuries, 49s. a week for London cases, 53s. 1d. a week for others.

For particulars apply to the Medical Superintendent at the Hospital, or to the Chief Officer, Mental Hospitals Department, Shell-Mex House, Strand, W.C.2.

Littleton Hall, Brentwood, Essex.
(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
Apply to Dr. HAYNES. Tel.: Brentwood 45.

The Middlesex Hospital, W.1.

Applications are invited for the post of:—
OBSTETRIC AND GYNÆCOLOGICAL REGISTRAR.
The appointment will be for seven months from the 1st June, 1938, and the successful candidate will be eligible to apply for reappointment for two further consecutive years. Salary £300 per annum.
Further particulars may be obtained from the Secretary-Superintendent, to whom applications with copies of not more than three testimonials must be sent by May 14th, 1938.
By order of the Board,
S. R. C. PLIMSOLL, Secretary-Superintendent.

Queen Mary's Hospital for the East
END, Stratford, E.15.

HONORARY ASSISTANT SURGEON.
There is a vacancy on the Staff of this Hospital for an Honorary Assistant Surgeon (with charge of Out-patients).
Applications, accompanied by copies of testimonials, from Male candidates only, who must be Fellows of the Royal College of Surgeons of England, should be sent to the undersigned not later than Wednesday, the 27th of April, 1938.
RAPHAEL JACKSON, Major, Secretary.

PHYSIOLOGY AND HYGIENE

Wanted from September Visiting LECTURER (Man or Woman) in Physiology and Hygiene for women students of Physical Education. Degree or medical qualifications essential.
Applications should be addressed to the Principal, Bergman Osterberg College, Dartford, and should state qualifications and previous experience in teaching or coaching.

THE HOSPITAL FOR SICK CHILDREN

GREAT ORMOND STREET, LONDON, W.C.1

Appointments to be made Preparatory to the Occupation of the New Hospital

A **RESIDENT ASSISTANT PHYSICIAN**, who is to be the Senior Resident Officer, is required. Duties to commence as soon as possible after the 4th May. Salary £200 per annum.
This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.
The duties will include those of the former Medical Registrar.
Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment it a General Hospital. Special experience in infectious diseases as desirable.

TWO RESIDENT MEDICAL ASSISTANTS and **CLINICAL PATHOLOGISTS** are required on the 1st June, 1938. Salary £125 per annum.
These appointments are tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.
The morning duties will include those of an Out-patient Medical Registrar. The afternoons will be devoted to work in a section of the Pathological Department.
Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An **OUT-PATIENT MEDICAL OFFICER** (part-time and non-resident) is required on the 1st June, 1938. Salary £150 per annum.
This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.
The duties will include those of the former Out-patient Medical Registrar.
Candidates must possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An **ASSISTANT RESIDENT SURGICAL OFFICER** is required; duties to commence as soon as possible after 4th May.
The appointment is tenable for one year. Salary £100 per annum.
Duties will include attendance upon members of the Surgical Staff in the Out-patient Department, the performance of Out-patient Operations, and deputation for the Resident Surgical Officer.
Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

A **HOUSE SURGEON** is required. Duties to commence as soon as possible after the 4th May.
This appointment is tenable for six months. Salary at the rate of £50 per annum.
Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Candidates for the above appointments must attend at the Hospital to appear before the Joint Committee at 4.45 P.M. on Wednesday, 4th May, 1938.
Further particulars and forms of application, which must be completed and returned by noon on Monday, 2nd May, 1938, are obtainable from the undersigned.
HERBERT F. RUTHERFORD, Secretary.
April, 1938.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in July, 1938.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list, and periods of unemployed of half pay are very rare. The assistance of private income is not necessary for the purpose of supplementing official pay and allowances.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Naval Medical Officers are included in the Scheme for Marriage Allowance under the same conditions as for other Naval Officers.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1938.

Borough of Wembley.

APPOINTMENTS.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Borough Council invite applications for the post of whole-time Assistant Medical Officer of Health (an additional appointment).

The duties will be mainly in the Maternity and Child Welfare services of the Council, while the officer will be required to undertake such other duties as the Medical Officer of Health, with the consent of the Council, may assign from time to time.

Candidates must, subsequent to qualification, have had at least three years' experience in the practice of their profession, and special experience of practical midwifery and ante-natal work. They should have had hospital experience in Maternity and Child Welfare work. Preference will be given to applicants holding a diploma in midwifery or child health subjects. The Diploma in Public Health will be considered an additional recommendation.

The salary will be £500 per annum, exclusive of travelling and other expenses, rising by annual increments of £25 to a maximum of £700 per annum. The appointment will be subject to the successful candidate passing a medical examination, the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staff Regulations of the Borough Council, and will be terminable by one calendar month's notice on either side.

Applications on a form to be obtained from the Medical Officer of Health, Public Health Department, Forty-avenue, Wembley, must reach me not later than noon on Wednesday, 27th April, 1938.

Canvassing in any form will disqualify candidates.

PART-TIME ASSISTANT MEDICAL OFFICER.

The Borough Council invite applications from duly qualified Medical Practitioners for a part-time position as Medical Officer in the Maternity and Child Welfare services of the Council.

Experience in ante-natal and maternity and child welfare work is essential. Remuneration will be at the rate of 1½ guineas per session (2 hours). The number of weekly sessions may be variable, but it is anticipated it will be five weekly.

Further information concerning the appointment may be obtained from the Medical Officer of Health, Public Health Department, Forty-avenue, Wembley, while applications on a form to be obtained from the Medical Officer of Health must reach me by noon on Wednesday, 27th April, 1938.

KENNETH TANSLEY, Town Clerk.

Council Offices, Wembley, Middlesex, 14th April, 1938.

The London Lock Hospital,

283, Harrow-road, W.9.

Applications are invited for a RESIDENT MEDICAL OFFICER (Male) to ALL DEPARTMENTS.

Candidates must be doubly qualified and duly registered. The appointment is for six months commencing 1st June; salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous Obstetric experience.

Applications enclosing copies (only) of three recent testimonials must be in the hands of the Secretary by first post on Friday, 29th April, and from whom any further particulars can be obtained.

King George Hospital, Ilford (near London).

(207 Beds.)

ASSISTANT CASUALTY OFFICER AND HOUSE SURGEON to SPECIAL DEPARTMENTS (Male) required for six months from 12th May, 1938. Salary at the rate of £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than 2nd May, 1938.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

King Edward Memorial Hospital,

Ealing, W.13.

(145 Beds.)

Applications are invited for the following appointments:—

CONSULTING PHYSICIAN.

SECOND CONSULTING LARYNGOLOGIST.

Particulars may be obtained from the undersigned.

R. A. MICKELWRIGHT, House Governor.

The London Chest Hospital,

Victoria Park, E.2.

('Bus, Tram, and Rly., Cambridge Heath, L. & N.E. Rly.)

MEDICAL REGISTRAR (Male).

(Part-time.)

Applications are invited for the above post. The appointment will be for a period of one year with eligibility for re-election for a maximum period of three years.

Honorarium £175 per annum.

Applications, with copies of three testimonials, should be sent to the undersigned from whom further particulars may be obtained, on or before Tuesday, May 3rd, 1938.

THOMAS BROWN, Secretary.

Corporation of London.

MEDICAL OFFICER OF HEALTH, PORT OF LONDON.

The Corporation of London is prepared to receive applications for the office of Medical Officer of Health for the Port of London.

The commencing salary of the office will be £1500 per annum, rising at the pleasure of the Court of Common Council to £2000 per annum.

Full particulars of the duties of the office and forms of application may be obtained from the Town Clerk, Guildhall, London, E.C.2.

Applications on the prescribed form, together with copies of three testimonials, must reach the Town Clerk's Office not later than noon on Monday, 2nd May, 1938.

ROACH.

Guildhall, E.C.2, 8th April, 1938.

County Council of Middlesex.

RESIDENT CASUALTY MEDICAL OFFICER.

Applications are invited for the above appointment at WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH. Candidates must be registered Medical Practitioners who have held the post of both house physician and house surgeon at a general hospital, and have had considerable all round experience.

Salary £350 per annum, with board, lodging, and laundry, valued at £100 per annum.

The officer appointed will be required to deal with casualties and admissions to the hospital, and to carry out such duties as may be allotted to him.

The appointment, which does not at present carry any superannuation rights, will be subject to medical examination, is for a period of six months in the first instance, may be extended for an additional six months, and is terminable by one month's notice on either side.

The officer appointed will work under the direction of the Medical Superintendent and will devote his whole time to official duties.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 30th April. Application forms are not provided. Envelopes must be endorsed "Casualty Medical Officer, West Middlesex County Hospital." Relationship to any member or officer of the Council must be disclosed in the application.

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3,"
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 7th April, 1938.

St. Bartholomew's Hospital.

PART-TIME CHIEF ASSISTANT IN THE X RAY DIAGNOSTIC DEPARTMENT.

Applications are invited for the post of Part-time Chief Assistant in the X Ray Diagnostic Department.

Candidates must be registered Medical Practitioners and possess a Diploma in Medical Radiology.

The officer appointed will be required to attend in the Department on four half-days a week.

Appointment will be made for a period to expire at the end of 1938, with eligibility for re-election.

Applications, with testimonials (copies only), should be left with the undersigned not later than Saturday, 14th May, 1938.

C. C. CARUS-WILSON,
Acting Clerk to the Governors.

12th April, 1938.

South-Eastern Hospital for Children,

Sydenham, S.E.26. 100 Beds.—Applications are invited for the post of HON. ASSISTANT SURGEON to the above hospital. Applications, stating age and experience, should be sent to the Hon. Secretary of the Medical Committee at the Hospital, to be received on or before Tuesday, May 3rd.

Borough of Hendon.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (Male).

The Hendon Borough Council invite applications for the above post.

Applicants must be fully qualified Medical Practitioners and hold a Diploma in Public Health or an equivalent qualification.

The duties will be mainly in connexion with the Council's Maternity and Child Welfare and School Medical Services, but include other duties under the direction of the Medical Officer of Health.

The salary is £600 per annum, rising by annual increments of £25 to a maximum of £750, with a car allowance of £50 per annum if the successful candidate provides his own car for use in connexion with his duties.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

Applications, on forms to be obtained from the undersigned, together with copies of not more than three recent testimonials to be sent to the undersigned not later than the first post on Monday, 2nd May, 1938.

Canvassing, directly or indirectly, will be deemed a disqualification.

Dated this 1st day of April, 1938.

LEONARD WORDEN, Town Clerk.

Town Hall, Hendon, N.W.4.

BRITISH COLLEGE OF OBSTETRICIANS AND GYNÆCOLOGISTS,

58, QUEEN ANNE-STREET, LONDON, W.1.

EXAMINATION FOR MEMBERSHIP
July 6th and 19th, 1938

Applications on the prescribed form must reach the College not later than Monday, 2nd May. Candidates whose applications are accepted must submit case records, &c., as required by the Regulations not later than Wednesday, 22nd June.

WM. FLETCHER SHAW, Hon. Secretary.

County Council of Middlesex.

ASSISTANT DENTAL OFFICER.

Applications are invited for the above appointment on the pensionable staff. Applicants must be fully qualified and registered Dental Surgeons.

The duties of the post include the dental inspection and treatment of school-children and of women and young children under the Maternity and Child Welfare Scheme.

The officer appointed will be required to devote his whole time to the duties of the post, will not be allowed to engage in private practice, and will work under the supervision of the County Medical Officer and of the Senior Dental Officer.

Salary £500 per annum, rising by annual increments of £25 to £700, together with out-of-pocket travelling expenses while on duty.

The appointment will be held during the pleasure of the Council and terminable by one month's notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 30th April, 1938. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Assistant Dental Officer."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 1st April, 1938.

Dr. Jessie Macgregor Prize in Medical SCIENCE.

An award of the above prize will be made in July next to the applicant who presents the best record of original work in the Science of Medicine. Such work may be published or unpublished, but must not have been published earlier than three years prior to the month of July, 1938.

The value of the prize is about Fifty Pounds (£50) and is open to medical women who are graduates in Medicine of the University of Edinburgh, or who have taken the Triple Qualification, and who, before becoming qualified, have studied medicine for at least one year in Edinburgh.

The successful applicant shall, within six months following the award, deliver a lecture to the medical profession in Edinburgh on the subject of the work for which the prize has been awarded, such lecture to be entitled "The Dr. Jessie Macgregor Lecture."

Applications marked "Dr. Jessie Macgregor Prize" must reach the Convener of Trustees, Royal College of Physicians, Edinburgh, 2, not later than the 30th June, 1938.

County Council of Middlesex.

VISITING DERMATOLOGIST.

Applications are invited for the appointment of a Visiting Dermatologist at REDHILL COUNTY HOSPITAL, EDGWARE, MIDDLESEX. Applicants must be Medical Practitioners devoting their time wholly or mainly to the treatment of diseases of the skin.

The physician appointed will be required to attend one session per week, at a fee of £3 3s. per session. The appointment, which does not at present carry any superannuation rights, will be held during the pleasure of the Council and is terminable by three months' notice on either side.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 7th May, 1938. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Visiting Dermatologist."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3,"
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 12th April, 1938.

The Weir Hospital, Grove-road,

Balham, S.W.12. (30 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER required May 18th (Male, unmarried). Candidates must be fully qualified and duly registered. Salary £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, to be sent to the Secretary, from whom further information may be obtained.

Paddington Green Children's Hospital
(Incorporated), London, W.2.

HOUSE SURGEON.

This appointment will become vacant on May 1st, 1938. Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned as soon as possible. Salary at the rate of £150 per annum, with board and residence. Candidates who have held a responsible resident hospital appointment are preferred. The appointment is for a period of six months.

JAMES A. HAMLIN, Secretary.

Paddington Green Children's Hospital
(Incorporated), London, W.2.

Applications are invited from registered Medical Practitioners for the vacancies of Two CLINICAL ASSISTANTS to Medical Out-patients, Monday and Thursday mornings.

Intending candidates should submit applications, stating age and qualifications, to the undersigned as soon as possible.

JAMES A. HAMLIN, Secretary.

Royal Free Hospital,
Gray's Inn -road, W.C.1.

Applications are invited from duly qualified Medical Men for the post of SENIOR RESIDENT MEDICAL OFFICER, vacant 1st June, 1938, and tenable for one year.

Candidates must have had at least one year's Resident Hospital experience.

Salary £150 per annum, with board and residence.

Intending candidates should submit applications stating age and experience, accompanied by copies of three recent testimonials to the undersigned, on or before 7th May, 1938.

RICHARD T. BARTLEY, Secretary.

London County Council.

ASSISTANT MEDICAL OFFICERS (Men or Women) required for mental health services. Candidates (under thirty-five years of age) must (i) be registered to practise both in medicine and surgery in England, (ii) be of at least one year's professional standing, and (iii) have held residential position in general hospital for six months or comparable general experience. Salary £470 a year, rising by £25 to £570 (additional allowance of £50 to holders of D.P.M.). No emoluments. Charges for board, lodging, &c. (at present £2 9s. a week) if required to be resident. Pensionable. Marriage terminates service in case of women.

For application form, returnable by 29th April, send stamped addressed foolscap envelope to Chief Officer (B/A), Mental Hospitals Dept., Shell-Mex House, Strand, W.C.2. Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (GRADE II). Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(*a*) PRINCESS MARY'S CONVALESCENT HOME, CLIFTONVILLE, MARGATE.—General duties in a female convalescent hospital. Only women candidates eligible.

(*b*) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh-hill, Greenwich, S.E.10.—Obstetrical experience essential.

(*c*) ST. FRANCIS HOSPITAL, East Dulwich, S.E.22.—Duties mainly medical.

(*d*) ST. GEORGE-IN-THE-EAST HOSPITAL, Raine-street, Wapping, E.1.

(*e*) ST. LUKE'S HOSPITAL, Sydney-street, S.W.3.—Duties mainly medical, experience in anæsthetics desirable, for (*d*) and (*e*).

Application forms obtainable (stamped, addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 9th May.

Canvassing disqualifies.

King Edward Memorial Hospital,
Ealing, W.13.
(145 Beds.)

Applications, which should be submitted as soon as possible, are invited for the following appointments :—

OPHTHALMIC SURGEON.
HONORARY ANÆSTHETIST. (Two vacancies.)

Particulars may be obtained from the undersigned.

R. A. MICKELWRIGHT, House Governor.

King Edward Memorial Hospital,
Ealing. (145 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to act in the EYE, GYNÆCOLOGICAL AND EAR, NOSE, AND THROAT DEPARTMENTS. Six months' appointment from May 1st, 1938, with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, and accompanied by copies of two recent testimonials, to be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

ROYAL NAVAL DENTAL SERVICE

Applications are invited for appointment to Commissions as DENTAL OFFICERS in the Royal Navy.

Candidates, who must be British subjects below the age of twenty-eight years, must hold the Degree or Diploma of a British University or College of Surgeons and be registered under the Dentists' Act or Medical Acts. Unmarried candidates are preferred. No examination in professional subjects will be held, but candidates will be required to attend at the Admiralty for interview, and for physical examination as to their fitness for service in any part of the world.

Successful candidates will be appointed to Short Service Commissions as Surgeon-Lieutenants (D) and will receive a grant of £50 towards the cost of providing the necessary uniform on entry. Vacancies in the permanent list will be filled by selection from among officers holding Short Service Commissions who desire to make the Royal Naval Dental Service their permanent career. Officers not transferred to the Permanent List will, on the termination of their short service engagement after six years' service, receive a gratuity of £1000.

Opportunities are available for officers on the Permanent List for post-graduate study. The assistance of private income is not necessary for the purpose of supplementing official pay and allowances.

Naval Dental Officers are included in the Scheme for Marriage Allowance under the same conditions as for other Naval Officers.

Application forms and copies of the regulations for entry and conditions of service, rates of pay, and allowances, &c., may be obtained from the MEDICAL DIRECTOR-GENERAL OF THE NAVY, Admiralty, S.W.1, and from the Deans of Dental Schools.

West London Hospital,
Hammersmith-road, W.6. (239 Beds.)

Applications are invited for the post of CHIEF ASSISTANT TO THE DEPARTMENT FOR CHRONIC RHEUMATIC DISEASES for a period of one year, eligible for re-election. An honorarium at the rate of £100 a year is attached to the post. The duties will include attendance in the Out-patient Department on two half-days a week.

Candidates must be registered under the Medical Act, and preference will be given to those possessing an M.R.C.P. or F.R.C.S. qualification. Previous experience in the treatment of rheumatism is an advantage.

Applications, with copies only of testimonials, should reach me not later than first post on Thursday, 12th May. Selected candidates will be required to call upon such members of the Medical Staff as directed ; to be in attendance at a Meeting of the Medical Council at 4.30 P.M. on Friday, 20th May, and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

The Queen's Hospital for Children,
Hackney-road, London, E.2.

CASUALTY OFFICER required immediately. Three or six months' appointment by arrangement. Salary at the rate of £100 per annum, with board and lodging and laundry.

Application must be made on form to be obtained from the undersigned, and should be accompanied by not more than three testimonials.

CHARLES H. BESSELL, Secretary.

Metropolitan Borough of Lewisham.

APPOINTMENT OF AN ASSISTANT MATERNITY AND CHILD WELFARE MEDICAL OFFICER.

Applications are invited from unmarried qualified Women Medical Practitioners for the appointment of an Assistant Maternity and Child Welfare Medical Officer, to act under the direction and supervision of the Medical Officer of Health. The salary will be at the rate of £600 per annum, rising by annual increments of £25 to £700 per annum.

The officer appointed must, subsequent to qualification, have had at least three years' experience in the practice of her profession, and special experience of practical midwifery, antenatal, postnatal, and maternity and child welfare work.

The possession of a registerable Degree or Diploma in Public Health will be deemed an additional qualification for the post.

The Officer appointed will be required to take medical charge of certain antenatal, postnatal, infant welfare, and toddlers' clinics, and to deputise for the Medical Officer in charge of the Council's Maternity Home (17 beds), and to undertake such other duties in connexion with maternity and child welfare as may be required by the Council.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Applications (on forms to be obtained from the undersigned), accompanied by copies of not more than three recent testimonials, and endorsed "Assistant Maternity and Child Welfare Medical Officer," must be delivered to the undersigned not later than Friday, the 6th May, 1938.

Canvassing directly or indirectly will be deemed a disqualification.

JOHN T. DUFF, Town Clerk.

Lewisham Town Hall, Catford, London, S.E.6,
19th April, 1938.

Royal London Ophthalmic Hospital
(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the post of OUT-PATIENT OFFICER, to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officer will be appointed for a period of one year and will be eligible for reappointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 2nd May, 1938.

A. J. M. TARRANT, Secretary.

City of Leicester.

RESIDENT MEDICAL OFFICER.

The Health Committee of the City of Leicester invite applications for the position of Resident Medical Officer (Male) at their CITY GENERAL HOSPITAL for a period of six months, renewable, if satisfactory, for a further six months. The successful candidate will be required to commence as soon as possible. Preference will be given to those with, or reading for, higher qualifications.

The Hospital is a modern building with 550 beds, four Resident Medical Officers and one Deputy Medical Superintendent. The work that will be required of this Resident Medical Officer will be chiefly medical; there may, however, be some general Surgical work. Salary £300 per annum, together with full residential emoluments.

Further particulars of the appointment may be obtained from the undersigned, and applications (on forms supplied), accompanied by copies of three recent testimonials, must be received not later than 2nd May endorsed "R.M.O." addressed to the undersigned.

E. K. MACDONALD, Medical Officer of Health.

Health Department, Grey Friars, Leicester.

23rd April, 1938.

REVISED ADVERTISEMENT.

Holland (Lincs) County Council.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified and registered Medical Practitioners for the post of Assistant Medical Officer of Health (Male). Candidates must not exceed forty years of age.

The person appointed, who must have had post-graduate experience in radiology and in the diagnosis and treatment of tuberculosis, will be required to carry out all the duties assigned to him by the County Medical Officer, under whose direction and supervision he will act. He will not be allowed to engage in private practice.

The salary will be £700 per annum, rising by increments of £25 per annum to £800, together with travelling expenses according to the Council's scale.

The appointment will be a designated post under the Local Government and Other Officers' Superannuation Act, and the successful candidate will be required to pass a medical examination.

The appointment will be terminable by three months' notice on either side.

Forms of application may be obtained from the County Medical Officer, County Hall, Boston, by whom they must be received, together with copies of three recent testimonials, not later than 10 A.M. on April 29th, 1938.

H. C. MARRIS, Clerk of the County Council.

County Hall, Boston, 14th April, 1938.

Royal Gwent Hospital, Newport, Mon.
(210 Beds.)

Required for duty 1st May, 1938:—

HOUSE SURGEON to FRACTURE AND ORTHOPÆDIC DEPARTMENT, CASUALTY OFFICER.

Salary for both appointments at the rate of £135 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of three testimonials, should be sent to the undersigned immediately.

ALAN RUDDLE, Secretary-Superintendent.

Worcester Royal Infirmary.
(165 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON.

Salary at the rate of £120 per annum, with board, residence, and laundry.

Applications, stating full particulars as to age, whether married or single, qualifications, &c., and accompanied by copies of three recent testimonials, should be sent to the undersigned by 30th April, 1938.

H. J. CLOUT, Secretary.

The Mount Vernon Hospital,
NORTHWOOD, MIDDLESEX.
(For the Treatment of Cancer.)

There will shortly be a vacancy for a HOUSE SURGEON. Candidates must be fully qualified and registered. Salary at the rate of £150 per annum, with board, residence, &c. Six months' appointment.

Applications, accompanied with testimonials, to be sent to the undersigned.

W. J. MORTON, Secretary.

Offices, 32, Fitzroy-square, W.1.

Caernarvonshire and Anglesey
INFIRMARY, BANGOR.
(A General Hospital.)

JUNIOR HOUSE SURGEON wanted (Male). Salary £120 per annum, with residence, board, and laundry. Duties to commence as soon as possible.

Applications, stating age, qualifications, and nationality, with two recent testimonials, to reach the Secretary not later than April 28th.

Manchester Royal Infirmary.

CHIEF ASSISTANT TO A SURGICAL UNIT.
(Non-resident.)

The Board of Management invite applications for the above appointment.

Candidates should be Fellows of the Royal College of Surgeons of England.

The duties require attendance at the Infirmary on seven half-days per week. The appointment is for one year, renewable for a further period, subject to the provisions of the bye-laws as to notice. Salary £250 per annum.

Further information may be obtained from the undersigned, to whom applicants must send fifteen copies of their application and testimonials by Wednesday, 18th May, 1938.

By order.

F. J. CABLE, General Superintendent and Secretary.

14th April, 1938.

City of Manchester.

WITHINGTON HOSPITAL. (1184 Beds.)
(Recognised under the regulations for the F.R.C.S.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

The salary for such appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 4th May, 1938.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 19th April, 1938.

Wingfield-Morris Orthopædic Hospital,
HEADINGTON, OXFORD.

HOUSE SURGEON (Male) required for six months. Salary at the rate of £100 per annum or £120 per annum if held previous appointment (with board, lodging, and laundry).

Applications, with testimonials, to be sent on or before May 1st to Professor GIRDLESTONE.

Beckett Hospital and Dispensary,
BARNSLEY.
(153 Beds.)

CASUALTY OFFICER (Male) required May 16th to deal with the injuries and fractures. Capability to perform emergency operations a recommendation.

Salary £250 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience (Ophthalmology desirable), accompanied by testimonials, should be sent to the undersigned immediately.

ARTHUR L. BOURNE, Secretary-Superintendent.

27th April, 1938.

Royal Infirmary, Preston.

Applications are invited for the post of CASUALTY OFFICER. Six months' appointment. Salary £150, with board, residence, and washing.

Applications, stating age, qualifications, and experience, together with copy testimonials, to be forwarded to the Secretary.

City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for Two Whole-time Assistant Medical Officers of Health (one Male and one Female). Age not exceeding forty years. Salary £500 per annum, rising by annual increments of £50 to £700. The appointments will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922. The Diploma of Public Health is essential.

Particulars of the duties of the Assistant Medical Officers may be obtained from the undersigned.

Applications, which must be on the form provided for this purpose, should be accompanied by not more than three recent testimonials, and must be received by the undersigned not later than Saturday, 30th April, 1938. Envelopes should be endorsed "Assistant Medical Officer of Health."

Canvassing will disqualify.

JOSIAH GREEN, Town Clerk.

Council House, Bristol, 1, 12th April, 1938.

The Guest Hospital, Dudley.

(General Hospital. 139 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

HOUSE SURGEON (Male) required immediately. Salary at the rate of £100–£130, according to experience, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST,
House Governor and Secretary.

April 11th, 1938.

Rotherham Hospital.

Wanted: HOUSE PHYSICIAN (Male), qualified. Salary £180, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Burslem, Haywood, and Tunstall War MEMORIAL HOSPITAL, High-lane, TUNSTALL, STOKE-ON-TRENT.

(66 Beds. Approved Training School for Nurses.)

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £175 per annum, with board, residence, and laundry.

The appointment is for six months in the first instance; reappointment may be applied for. Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

General Infirmary, Salisbury.

(Voluntary Hospital, 200 Beds, now in course of extension to 215 Beds.)

HOUSE PHYSICIAN (Male) required to commence duty 15th May, 1938.

The appointment is for six months, with the right of applying for reappointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invite applications from gentlemen for the appointment of SECOND HOUSE SURGEON. The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary. W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

Hospital Convalescent Home, PARKWOOD, SWANLEY, KENT.

(For the Reception of Patients (Women and Children) in an early stage of Convalescence from the London Hospitals. 120 Beds.)

The Trustees of the Home invite applications for the post of LADY RESIDENT MEDICAL OFFICER which will become vacant on 20th May, 1938.

The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent, testimonials, and addressed to C. M. POWER Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Saturday, April 30th, 1938.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.
CANWELL HALL BABIES' HOSPITAL. (84 Beds.)

A WOMAN RESIDENT MEDICAL OFFICER is required for a period of six months. Duties to commence on June 3rd.

Applicants should have had previous experience as a resident House Physician, preferably in a Children's Hospital.

Salary £250 per annum, with board and laundry.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before April 30th, 1938.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

The Public Health Committee invite applications from qualified Medical Women to act as MEDICAL OFFICER in the above Department.

The duties include attendance at maternity and child welfare centres and practical obstetrics.

Applicants should have had a six Months' resident appointment in a children's hospital, and must have had not less than one year's obstetrical experience in a maternity hospital. The Diploma in Public Health will be considered an additional qualification.

The salary will be £600, rising by £25 annually to £700 per annum.

The successful applicant, if not already holding the Master of Midwifery Diploma (S.A.), will be required to obtain this within a year and to reside in close proximity to one of the City maternity homes.

The appointment will be subject to the Birmingham Corporation Superannuation Scheme and to the candidate passing a medical examination, and will be subject to three months' notice on either side.

Applications, endorsed "Medical Officer for Maternity and Child Welfare," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before April 30th, 1938.

Royal East Sussex Hospital, Hastings.

Applications are invited for the post of JUNIOR HOUSE SURGEON, Female, vacant 21st May next. The appointment is for the period of six months.

Salary at the rate of £150 per annum, with board and residence.

Candidates must be duly registered Medical Practitioners.

Applications, with copies of recent testimonials, to be addressed to the Secretary. WILFRID G. KEMSLEY, Secretary.

The Guest Hospital, Dudley.

(General Hospital. 139 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

Applications are invited from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER (Male). Duties to commence 22nd May, 1938. Salary at the rate of £250–£300 per annum, according to experience, with furnished apartments, board, and laundry. Candidates must have had experience in emergency surgery, and preference will be given to those holding the qualification of F.R.C.S. or M.S.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

April 11th, 1938.

Huddersfield Royal Infirmary.

(321 Beds.)

MALE HOUSE SURGEON required to be attached to the ABNORMAL MATERNITY DEPARTMENT. Duties, which include the administration of anæsthetics, to commence on May 1st, 1938. Salary will be at the rate of £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal for a similar period.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

Huddersfield Royal Infirmary.

(321 Beds.)

MALE HOUSE SURGEON required to be attached to EYE, EAR, NOSE AND THROAT DEPARTMENTS. Duties, which include the administration of anæsthetics, to commence on May 1st, 1938. Salary will be at the rate of £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal for a similar period.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

Huddersfield Royal Infirmary.

(321 Beds.)

MALE HOUSE SURGEON required to commence duty on May 1st, 1938.

Salary £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal at the discretion of the Board of Management.

The Hospital is officially recognised for the surgical practice required of non-members before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

Manchester Royal Infirmary.

CLINICAL LABORATORY.

The Board of Management invite applications from Bacteriologists of experience for the post of DIRECTOR OF THE CLINICAL LABORATORY. Salary £800 per annum, with superannuation and a share of the fees from private work carried out in the laboratory. The Director appointed may expect University Status and will have facilities for working in the Department of Bacteriology in the Manchester University.

Candidates must be duly qualified and registered: they must state age and send eight copies of their application and testimonials to the undersigned by 9 A.M. on Monday, 9th May, 1938.

Further particulars of the appointment may be obtained from the undersigned.

By order,
F. J. CABLE, General Superintendent and Secretary.

Stirling District Mental Hospital,

LARBERT.—JUNIOR ASSISTANT MEDICAL OFFICER required. Salary commencing at £300 per annum, with board, lodging, and laundry. Appointment subject to provisions of Asylums Officers' Superannuation Act.

Apply, stating age and experience, with testimonials, to the Medical Superintendent.

University of Durham

AND
ROYAL VICTORIA INFIRMARY, NEWCASTLE

CHAIR OF PATHOLOGY.

Applications are invited from Registered Medical Practitioners for the PROFESSORSHIP OF PATHOLOGY, tenable in King's College, Newcastle-upon-Tyne, concurrently with the post of Pathologist to the Royal Victoria Infirmary, Newcastle. Salary £1100.

Twenty-five copies of applications, with twenty-five copies of not more than three testimonials, to be lodged not later than Monday, 9th May, 1938, with the undersigned, from whom further information may be obtained.

W. S. ANGUS, Registrar, University Offices, 46, North Bailey, Durham.

Royal Victoria Infirmary,

NEWCASTLE-UPON-TYNE.
(785 Beds.)

Applications are invited for the post of Whole-time REGISTRAR to the ORTHOPÆDIC DEPARTMENT (open appointment).

Candidates must be registered in Medicine and Surgery.

The appointment will be for one year, commencing 9th May, 1938, and may be further renewed on conditions.

The rate of remuneration is £150 per annum.

Regulations governing the appointment must be obtained from the undersigned, and applications, with copies of not more than three recent testimonials, should be received by first post on Thursday, 28th April, 1938.

S. DUNSTAN, House Governor and Secretary.
8th April, 1938.

The Royal Infirmary, Sunderland.

(288 Beds.)

JUNIOR HOUSE SURGEON (Male) required 7th May. Salary £120 per annum, with board, residence, laundry, &c.

Applications, stating age and qualifications and accompanied by copies of testimonials, to be sent to the undersigned not later than 27th April. The Infirmary possesses modern equipment and has up-to-date Pathological and X Ray Departments. The Resident Medical Staff consists of a R.S.O. and six others. The surgical appointments are recognised by the Royal College of Surgeons of England for the six months' training required of candidates before admission to the Final Examination for the Fellowship.

M. J. HUNTLEY, House Governor and Secretary.

Birmingham and Midland Eye Hospital.

(114 Beds.)

Applications are invited from duly qualified Medical Practitioners for the post of HOUSE SURGEON at the above Hospital which becomes vacant on April 30th next.

Salary £130 per annum (rising to £150 at the end of six months' satisfactory service) and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

Applications, with testimonials and evidence of registration, should be forwarded immediately to the undersigned.

J. W. PEARCE, General Superintendent.
Church-street, Birmingham, 3.

General Hospital, Nottingham.

(389 Beds.)

A RESIDENT CASUALTY OFFICER (Male) is required at the above Institution. The appointment is for six months with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned not later than Saturday, May 7th.

Duties to commence on June 1st, 1938.

PETER M. MACCOLL, House Governor and Secretary.

Altrincham General Hospital.

(100 Beds.)

Applications are invited for the posts of (1) SENIOR HOUSE SURGEON, salary at the rate of £150 per annum; and (2) JUNIOR HOUSE SURGEON, salary at the rate of £120 per annum, both with board, &c., to commence duty on or about 1st May, 1938.

Applications, stating age, nationality, qualifications, &c., to be addressed to the undersigned, not later than 30th April, 1938.

E. A. BIDEN, Secretary.

North Staffordshire Royal Infirmary,

STOKE-ON-TRENT. (390 Beds.)

RESIDENT ANÆSTHETIST.

The Committee invite applications for the above post.

Salary at the rate of £150 per annum, with board, residence, and laundry.

This appointment, which is recognised by the Royal College of Surgeons for the Diploma in Anæsthetics, will be made for six months, renewable.

Previous hospital Anæsthetic experience essential.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By Order,
W. STEVENSON, Secretary and House Governor.
19th April, 1938.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £175 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be forwarded immediately.

J. KENYON, Secretary.

City of Nottingham—City Hospital.

RESIDENT ASSISTANT SURGICAL OFFICERS.

Applications are invited from fully qualified Medical Practitioners for posts as Resident Assistant Surgical Officers at the City Hospital.

This hospital is a general hospital of over one thousand beds, with a considerable amount of acute work.

The salary is £250 per annum, with board-residence.

The appointments will be for six months with a prospect of renewal for a further six months.

The duties will be chiefly surgical under the direction of a staff of visiting-surgeons and subject to the control of the Medical Superintendent. Applicants must have had previous hospital experience.

The appointments will not be subject to the Corporation's Superannuation Scheme.

Application forms may be obtained from the undersigned, to whom they should be returned forthwith.

Canvassing directly or indirectly is forbidden.

J. E. RICHARDS, Town Clerk.
Guildhall, Nottingham, 22nd April, 1938.

City of Stoke-on-Trent.

MEDICAL OFFICER OF VENEREAL DISEASES CENTRE.

The City Council invite applications for the appointment of a Medical Officer of the Venereal Diseases Centre at a salary of £750 rising to £937 10s. per annum, increments in accordance with the B.M.A. Scale.

The person appointed will be required to devote the whole of his time to the service of the Corporation which will not necessarily be confined to work in connexion with venereal disease.

Applicants must be fully qualified medical men with at least six months' general hospital experience and have had special experience in modern methods of the diagnosis and treatment of Venereal Diseases. The possession of the Diploma in Public Health will be considered an advantage.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials and endorsed "Medical Officer V.D.", to be delivered to the undersigned on or before Monday, 9th May, 1938.

E. B. SHARPLEY, Town Clerk.
Town Hall, Stoke-on-Trent, 22nd April, 1938.

City of Stoke-on-Trent.

STANFIELD SANATORIUM.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male) at Stanfield Sanatorium. Candidates must be single. Previous institutional experience in Tuberculosis will be an advantage. The appointment will be for a period of twelve months only.

Salary at the rate of £250 per annum, together with board and lodgings. The selected candidate will act under the immediate direction of the Tuberculosis Officer.

Applications, endorsed "Resident Medical Officer," together with copies of three recent testimonials, to be sent to the undersigned not later than Monday, 9th May, 1938.

E. B. SHARPLEY, Town Clerk.
Town Hall, Stoke-on-Trent, 22nd April, 1938.

County Borough of Huddersfield.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from registered Medical Practitioners (Ladies) who have had special experience in antenatal work and in the care of infants. Salary £500–£25–£700, initial salary according to experience.

The post will be designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.

Applications, stating age, full particulars regarding training, qualifications, and appointments held since qualification, should be forwarded to the Medical Officer of Health, Public Health Department, Huddersfield, along with copies of two recent testimonials, so as to reach him not later than Thursday, the 5th May, 1938.

SAMUEL PROCTER, Town Clerk.

Town Hall, Huddersfield, April, 1938.

Royal Halifax Infirmary.

(250 Beds.)

Hospital recognised by the Royal College of Surgeons (England).

Wanted, a SECOND HOUSE SURGEON, for EYE, EAR, NOSE, AND THROAT, AND MEDICAL DEPARTMENTS. (Male, unmarried.) Candidates must be duly qualified and registered. The appointment will be for six months from 1st May, 1938, followed by probable promotion if satisfactory. Salary, including all services required in connexion with Paying Patients' Ward, £175 per annum, with residence, board, and laundry. The Resident Staff consists of Resident Surgical Officer and three House Surgeons. The Hospital contains Maternity, Paying Patients' Block; also a Pathological Department, a large Eye, Ear, Nose, and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned, to whom applications, stating age, and nationality, together with copy testimonials, should be sent by Tuesday, 26th instant. A. MIDGLEY, Secretary.

16th April, 1938.

West Riding of Yorkshire Mental

HOSPITALS BOARD.

APPOINTMENT OF AN ASSISTANT MEDICAL OFFICER. WAKEFIELD MENTAL HOSPITAL.

Applications are invited for the appointment of an Assistant Medical Officer in the Board's service at the above Mental Hospital, at a commencing salary of £350 per annum, rising by annual increments of £25 to a maximum of £450, together with emoluments (board, apartments, and laundry) valued at £120 per annum. The Board will allow an extra £50 per annum to the successful candidate who (whilst on this scale) holds or obtains the Diploma in Psychological Medicine, for which this Hospital affords special study facilities.

It will be an advantage if candidates have had at least one year's experience in general medicine after qualification.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, Class 1.

Applications, with copies of not more than two recent testimonials, stating age and full particulars, to reach the Medical Superintendent, West Riding Mental Hospital, Wakefield, not later than 2nd May, 1938.

There is no printed form of application.

G. L. BANNER, Clerk of the Board.

Board Offices, Wakefield, April, 1938.

Dundee Mental Hospital, Westgreen.

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Male) to the above Hospital. Salary £300 per annum, with board, lodging, and laundry, subject to deductions under the Asylum Officers' Superannuation Act. The Hospital is the teaching centre for St. Andrews University, and opportunity is afforded for research and study in Psychiatry.

Applications, stating age and experience, with copies of three recent testimonials, to be forwarded to the Medical Superintendent.

Manchester Royal Eye Hospital.—

OUT-PATIENT MEDICAL OFFICER required at once. Salary £200 per annum, morning work only. Applicants must be fully qualified Medical Practitioners and must also have a good knowledge of refraction work. Particulars of appointment can be obtained on request.

Applications, with copies of recent testimonials, to reach the undermentioned as early as possible.

H. R. NORTH, General Supt. and Secretary.

Prince of Wales's Hospital, Devonport.

(Formerly the Royal Albert Hospital, Devonport.)

(64 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Duties to commence forthwith. Appointment is tenable for six months and is subject to renewal, or promotion to the senior position when this post becomes vacant. Applicants must be registered under the Medical Acts.

Applications, stating age and qualifications, with copies of three recent testimonials to reach the undersigned immediately.

ARTHUR R. CASH, General Superintendent and Secretary.

Prince of Wales's Hospital, Greenbank-road, Plymouth.

Maidenhead Hospital, Berkshire.

(56 Beds.)

HONORARY SURGEON required for EAR, NOSE, AND THROAT DEPARTMENT. Applicants must possess Fellowship of College of Surgeons or Mastership in Surgery of one of the Universities.

Applications, stating age, with copies of three recent testimonials, to be received by the undersigned not later than Saturday, 7th May, 1938.

R. J. FANNING, Superintendent-Secretary.

Tel.: 1361 Maidenhead.

The Staffordshire General Infirmary,

STAFFORD.

SENIOR HOUSE SURGEON required to take up duties on the 1st May. Salary £175 per annum. The appointment to be held for at least six months. The Hospital has 145 beds, including 14 Private Wards and there are 3 Residents.

Applications, stating age, accompanied by copies of three recent testimonials as to qualifications and experience, should be sent to the undersigned forthwith.

Stafford, 19th April, 1938. A. E. COLLINS, Secretary.

The Royal Army Medical Corps

ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Typewriting.—Specialists in Typing

Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson Ltd., 16, Palace Chambers, Bridge-street, S.W.1. WHItehall 3838.

Masseuse-Secretary, required by a Firm

of Doctors in London. C.S.M.M.G. not essential.—Address, stating age, qualifications, and experience to No. 395, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Wanted, a Young recently qualified

Doctor to join an established "G.P." in Rangoon. £2000 to £3000 capital required.—For particulars address No. 392, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

For Sale, Middle-class Practice in

pleasant suburb. Established 12 years. Over £600 per annum. Panel 300. House to rent, with garage and garden: good scope for increase as practice has been run as a half-time one and midwifery has been refused. £850.—Address, No. 393, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Share worth either £1000 or £1500

available at two years' premium to suitable man, to replace retiring surgical partner in firm of three in Surrey residential area. House available on lease.—Address, No. 396, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Practice wanted, in or near London.

Gross income £1500 or more. Good Panel preferred.—Address, No. 394, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Resident Patients.—Doctors desiring

accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1

London.—Cora Hotel,

Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors. Modern comforts.

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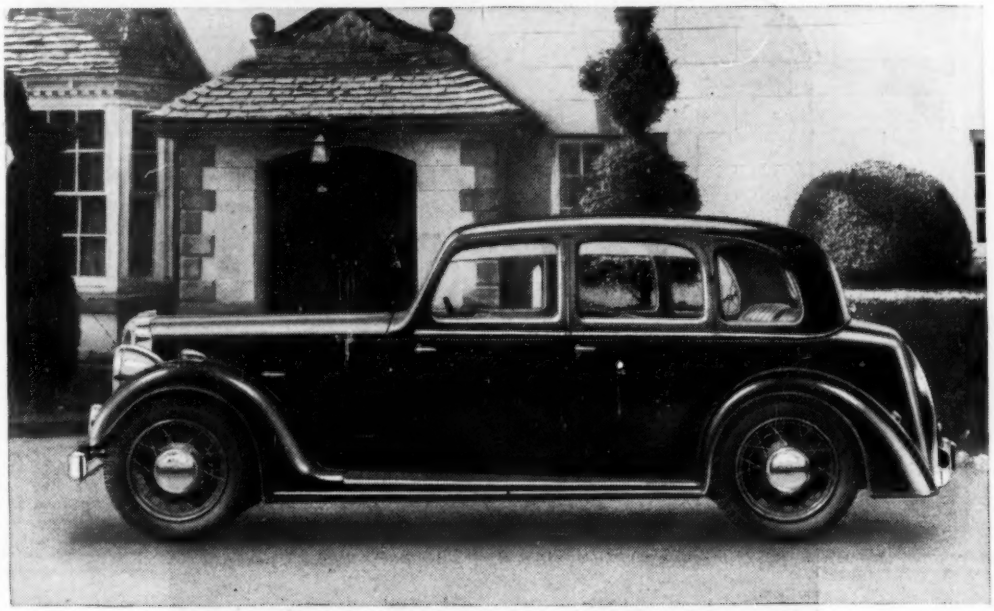

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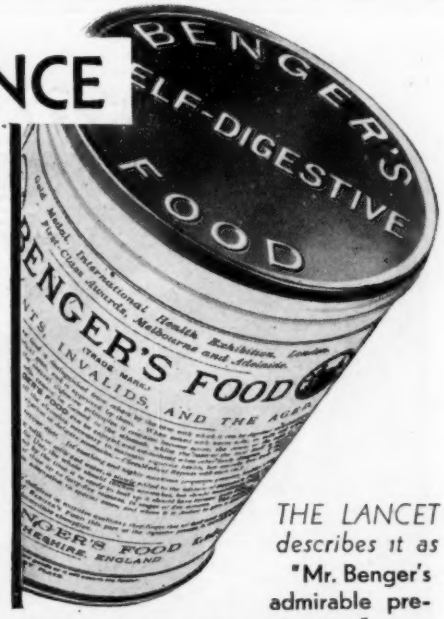

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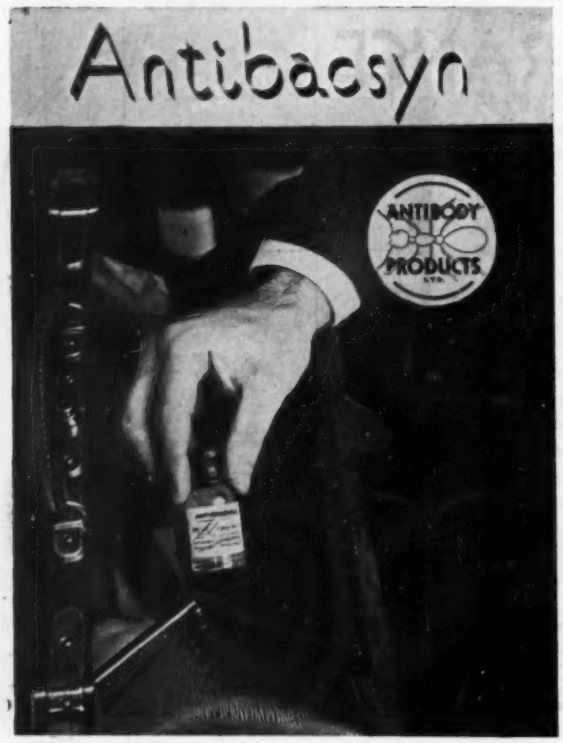

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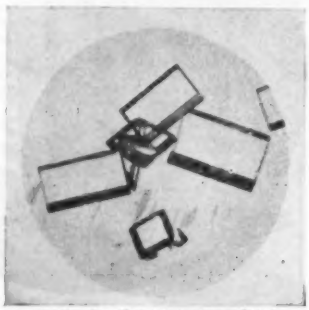

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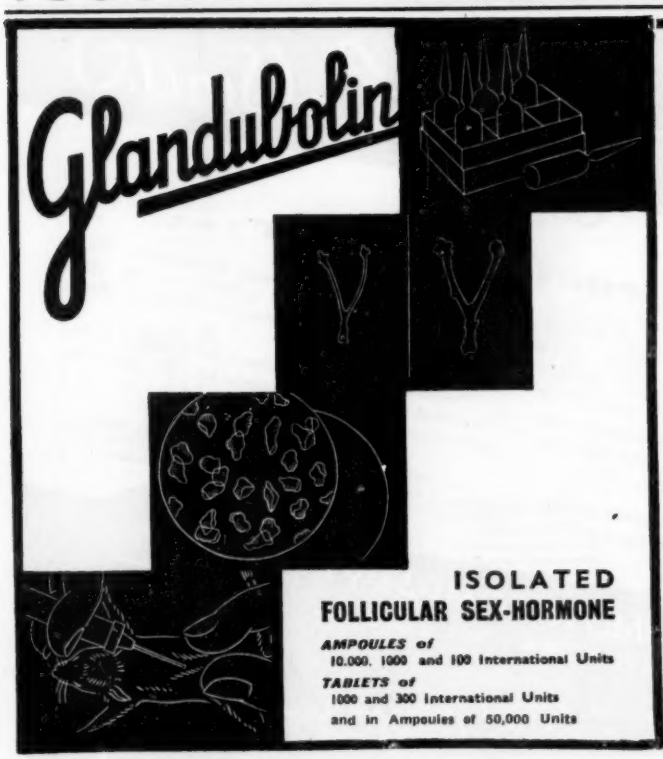

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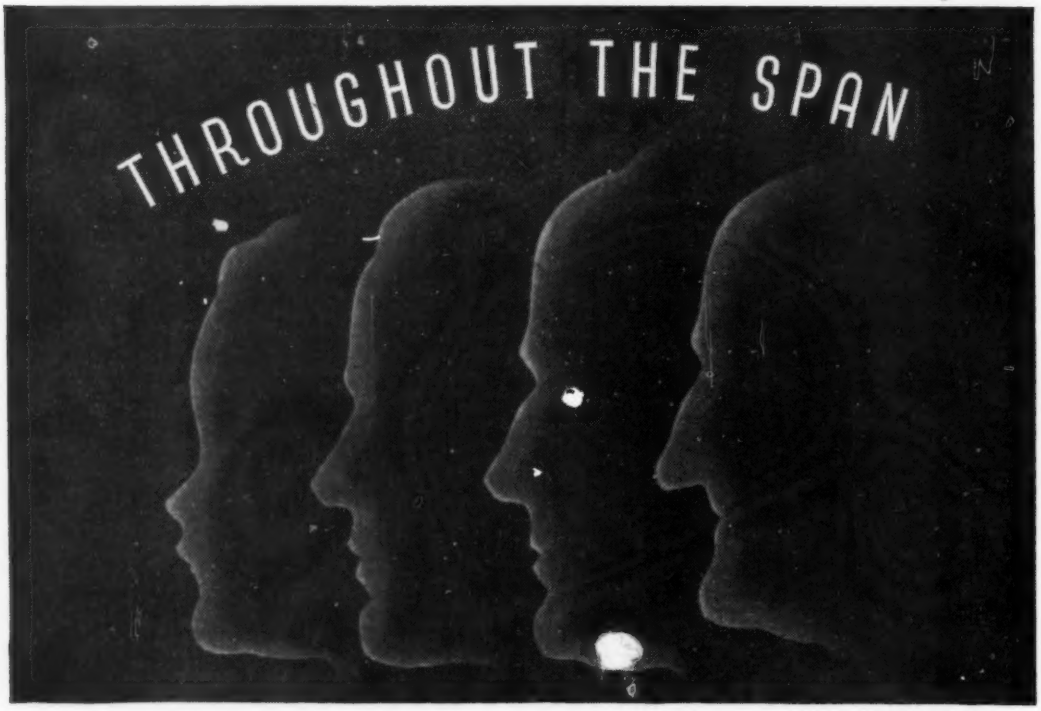

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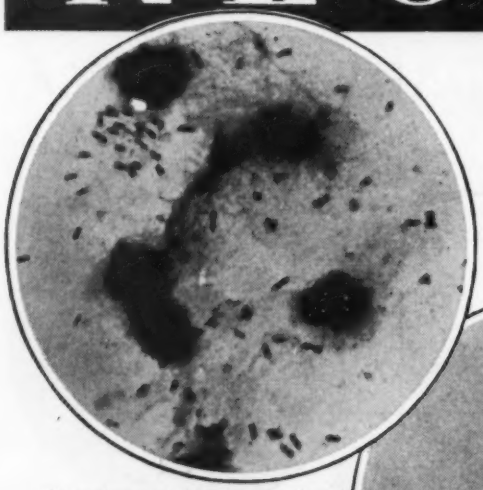

Photomicrograph showing B. coli *and pus cells taken from the urine of a patient before treatment with Neoket.*

COMPOUND MANDELIC ACID GRANULES in the treatment of URINARY INFECTIONS

INDICATIONS

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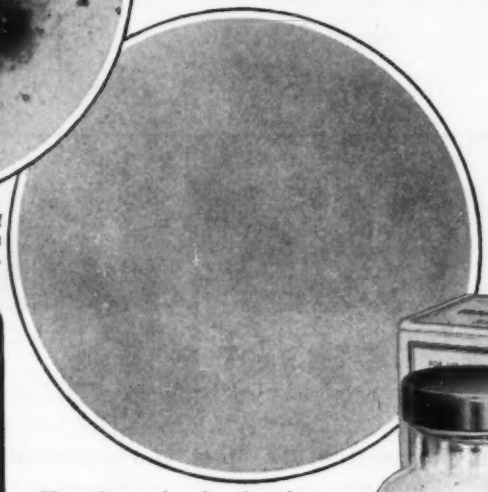

Photomicrograph of urine from a patient six days after treatment with Neoket. The urine showed no pus and no organisms, and was sterile on culture.

CASE REPORT

Right-sided Pyelitis in a female aged 62. The kidney had been removed 35 years previously. The urine contained very large numbers of *B. coli* (proved by culture and bacteriological examination). The patient was placed on Neoket and her fluid intake restricted to about 2 pints daily for 8 days. The urine was then cultured and found to be sterile, but Neoket was continued for another week. The patient was seen 12 weeks after the commencement of treatment with Neoket, she was entirely free from symptoms, and the urine on microscopic examination was entirely free from pus and organisms.

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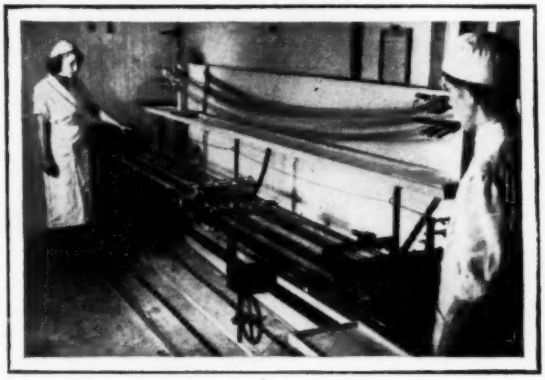

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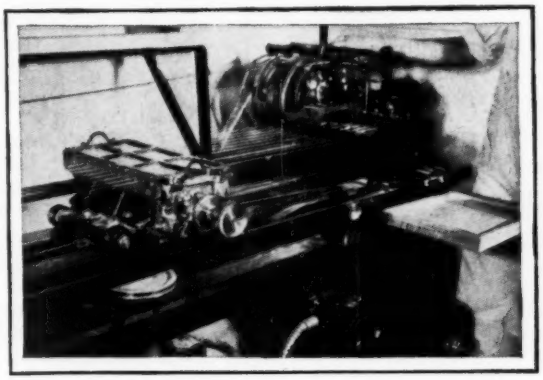

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Apply: THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey, *'Phone:* REDHILL 344: or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.4, *'Phone:* CITY 4697.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

THE RESIDENTIAL TREATMENT OF ALCOHOLISM & DRUG ADDICTION

RENDLESHAM HALL

(Postal Address), WOODBRIDGE, SUFFOLK

RENDLESHAM HALL, which is open to receive patients, is essentially a Sanatorium. Its daily life and routine are that of an ordinary comfortable holiday or health resort, or of a large country house. Each patient has all the privileges of a guest consistent with the prescribed medical treatment.

RENDLESHAM HALL

Rendlesham Hall has 45 Bedrooms, and about 450 acres of Gardens and Park. It has also a private Nine-hole Golf Course, Tennis and Croquet Lawns, and Bowling Green.

Illustrated Booklet, giving particulars as to terms, etc., can be had on application to

THE RESIDENT MEDICAL SUPERINTENDENT

Telegrams and Telephone: WICKHAM MARKET 216. (Toll Call from London.)

Proprietors: THE NORWOOD SANATORIUM, LIMITED.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 3841

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary Patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

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(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

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A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

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For further particulars apply to the MEDICAL SUPERINTENDENT.

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The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

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M.D. (Cantab.), M.R.C.P. (Lond.).
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GEORGE H. DAY,
M.D. (Cantab.).

For all information apply:
THE SECRETARY,
THE SANATORIUM,
MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95
(2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

TERMS FROM 7½ GUINEAS WEEKLY

RUTHIN CASTLE, NORTH WALES

A Private Hospital or Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases).

The weekly fees are from 15 guineas according to the room occupied; rooms with bathroom are from 21 guineas. The charges include all chemical, bacteriological, X-ray or other examinations advised by the doctors, and all the usual forms of treatment, in addition to board and lodging. There are no extra charges except for alcohol (when ordered) and laundry.

An examination and consultation fee of 15 guineas is charged on the first visit.

The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

Address—THE SECRETARY, Ruthin Castle, North Wales.

Telegrams: Castle, Ruthin. *Telephone:* Ruthin 66.

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Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

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PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

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First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. Terms 5 to 7½ Guineas a week inclusive.

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VALE OF CLWYD SANATORIUM.

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

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CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

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For LADIES and GENTLEMEN of Unsound Mind

Terms moderate: Apply to Resident Medical Superintendent
Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING

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An old-established home-like Institution for the treatment of MENTAL AFFECTIONS in BOTH SEXES. Probationary cases and non-certified patients are received as well as those regularly certified.

Full particulars as to reception terms, &c., may be obtained from the Resident Medical Officer.

HILL END HOSPITAL AND CLINIC

FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS

(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO THREE GUINEAS PER WEEK.

For further particulars apply to the Medical Superintendent W. J. T. KINNER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS

BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.

Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Medical Superintendent.

Telephone: No. 6207 Barnwood

CHISWICK HOUSE,

PINNER, MIDDLESEX.

Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY M.D., D.P.M.

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Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: **Dr. MADELINE R. LOCKWOOD,**
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

STRETTON HOUSE,

Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2328.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

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KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.

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Grove House, All Stretton, Church

STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

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FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £3 p.w. upwards.
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Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
Apply to Dr. HAYNES. Tel.: Brentwood 45.

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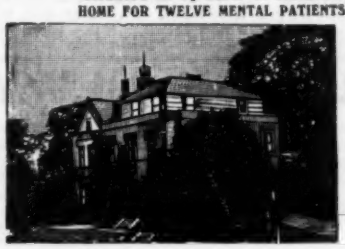
CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

HOME FOR TWELVE MENTAL PATIENTS (LADIES).



Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

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The Spas and Health Resorts of Czechoslovakia, with their centuries-old tradition of healing, reinforced by the experience and researches of local specialists, invite your serious consideration.

In addition to places of world-wide repute, such as

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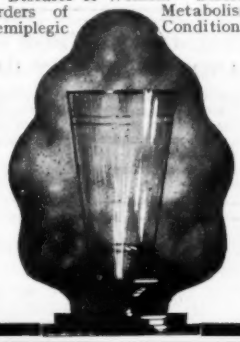
with their medicinal springs and mud baths, there are numerous smaller spas and health resorts admirably equipped for the treatment of many diseases, including those in the following groups:

Anæmia and Chlorosis. Basedow's Disease. Bronchial Catarrh. Constitutional Diseases, Scrofula, Rickets. Digestive Diseases. Diseases of the Bladder and Urinary Organs. Diseases of the Kidneys. Diseases of the Nose and Throat. Diseases of Women. Disorders of Bones, Muscles, and Joints. Disorders of the Heart. Disorders of Metabolism and Gout. Gallstones. Leucæmia. Nervous Diseases and Post Hemiplegic Conditions. Tuberculosis of the Lungs.

The arrangements in the bath establishments are up to date in every way, the cleanliness and neatness proverbial, the service attentive and courteous.

It is accepted that a spa cure to be fully beneficial should provide a complete change of surroundings, and a break with the patient's normal everyday life.



The Czechoslovak Spas fulfil this purpose admirably . . . comfortable hotels . . . first-class orchestras and dance bands . . . every facility for sport—tennis, golf, swimming, riding, fishing, etc.

There are also numerous fully up-to-date homes for convalescence and rest cures.

Further information from any Office of
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Special Treatment for
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Carefully discriminated and graduated treatments of all nervous and mental affections. Happy environment, magnificent country, temperate climate.

Pathopsychological Institute annexe (Pupillography, &c.). Villa for abnormal children.

Head Physician: Dr. W. BOVEN, Professor of Psychiatry and Characterology at the University of Lausanne. (Consultation-room at Lausanne, by appointment; Tel.: Lausanne 25,838.)

Collaborators: Dr. O. Löwenstein, formerly Professor at the University of Bonn, inventor of the pupillographic method Madame Dr. Calame.

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Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Scapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARRISSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**

Illustrated Brochure C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock.

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Tel.: Welbeck 4444 (20 lines)

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (Average—14 gns.).
8 Operating Theatres.
150 State Registered Nurses.
2 Resident Medical Officers (for emergencies).
Patients only received under the supervision of their own Medical Practitioner.
Drugs and Dressings free (other than Proprietary Articles).
Illustrated Brochure on application to Secretary.

Royal College of Physicians,

Pall Mall East, London, S.W.1.

CHARLES MURCHISON SCHOLARSHIP IN CLINICAL MEDICINE.

The next Examination for this Scholarship will be held at the ROYAL COLLEGE OF PHYSICIANS OF LONDON on TUESDAY, the 14th day of JUNE, 1938, and following days.

The Examination is open to any Student of Medicine, whether holding a Medical qualification or not, who, subsequently to the date of passing his professional Examination in Anatomy and Physiology for a Medical qualification, commenced clinical studies not less than two and a half and not more than five years previously at a Medical School in London recognised by the Royal College of Physicians, or at the University of Edinburgh, including Medical Classes recognised by the Medical Faculty of the University.

The Scholarship is of the value of Twenty Guineas, and is tenable for one year.

Intending candidates are required to send in their names to the Registrar of the Royal College of Physicians, Pall Mall East, London, S.W.1, not later than May 31st, with evidence of the duration of their medical studies from the deans of their respective schools, and evidence of the date at which they passed their examination in Anatomy and Physiology.

(The Examination for 1939 will be held in the University of Edinburgh).

CHARLES NEWMAN, M.D., Assistant Registrar.

Pall Mall East, S.W.1.

British Empire Cancer Campaign.

CLINICAL CANCER RESEARCH COMMITTEE.

APPOINTMENT OF MEDICAL SECRETARY AND REGISTRAR.

Applications are invited from Male British Subjects with qualifications registered or registrable in the British Medical Register for the post of Medical Secretary and Registrar to the Clinical Cancer Research Committee of the British Empire Cancer Campaign.

The appointment will be a whole-time one, and in the first instance for one year, eligible for re-election, and thereafter subject to six months' notice on either side. Preference will be given to candidates over the age of forty. Previous statistical and administrative experience a recommendation. Daily attendance at the Head Office of the Campaign will be essential. Duties will include charge of the Records Department and responsibility for all Clinical Cancer Case Sheets.

At the beginning of the appointment the successful candidate will be required to visit certain Clinics in the United States of America, the expenses of which will be paid.

Remuneration will be at the rate of £500 per annum.

Applications, accompanied by copies of three recent testimonials, should reach the General Secretary of the Campaign at 11, Grosvenor-crescent, London, S.W.1, not later than June 30th, 1938, from whom further particulars may be obtained.

National Hospital, Queen - square,

W.C. 1.

REGISTRAR.

Applications are invited for the post of Registrar which will become vacant in October. The salary is £200 a year.

Applications, with copies of recent testimonials, should reach the undersigned, from whom any further particulars may be obtained, on or before May 31st, 1938.

GODFREY H. HAMILTON, Secretary.

National Hospital, Queen - square,

W.C. 1.

ASSISTANT REGISTRAR.

Applications are invited for the post of Assistant Registrar which will become vacant in May. The salary is £200 a year.

Applications, with copies of recent testimonials, should reach the undersigned, from whom any further particulars may be obtained, on or before May 31st, 1938.

GODFREY H. HAMILTON, Secretary.

The London Homœopathic Hospital,

Great Ormond-street and Queen-square, W.C.1.
(A General Hospital. 200 Beds.)

HONYMAN GILLESPIE LECTURESHIPS.

(Established by the Trustees of the late Mrs. Elizabeth Honyman Gillespie of Edinburgh.)

SUMMER COURSE.

The following course, consisting of Sixteen Lectures, will be given at the Hospital on Tuesdays at 4 P.M., commencing Tuesday, May 10th, and terminating Tuesday, June 28th, 1938.

4–4.45 P.M., by W. LEES TEMPLETON, M.D., Physician for Nervous Diseases, on "Practical Homœopathic Prescribing," with case records.

5.15–6 P.M., by J. D. KENYON, B.Sc., M.B., Physician with Charge of Out-patients, on "The Materia Medica of Some Homœopathic Remedies."

These lectures are intended to be complementary in that, as far as is possible, the remedies described in the second lecture will be those illustrated in the first.

Tea will be provided during the interval between the lectures.

Registered Medical Practitioners and senior students of medicine are cordially invited to attend.

Royal Free Hospital,

Gray's Inn -road, W.C.1.

Applications are invited from duly qualified Medical Men for the post of SENIOR RESIDENT MEDICAL OFFICER, vacant 1st June, 1938, and tenable for one year.

Candidates must have had at least one year's Resident Hospital experience.

Salary £150 per annum, with board and residence.

Intending candidates should submit applications stating age and experience, accompanied by copies of three recent testimonials to the undersigned, on or before 7th May, 1938.

RICHARD T. BARTLEY, Secretary.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry in July, 1938.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list, and periods of unemployed of half pay are very rare. The assistance of private income is not necessary for the purpose of supplementing official pay and allowances.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Naval Medical Officers are included in the Scheme for Marriage Allowance under the same conditions as for other Naval Officers.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1938.

St. Bartholomew's Hospital.

PART-TIME CHIEF ASSISTANT
IN THE
X RAY DIAGNOSTIC DEPARTMENT.

Applications are invited for the post of Part-time Chief Assistant in the X Ray Diagnostic Department.

Candidates must be registered Medical Practitioners and possess a Diploma in Medical Radiology.

The officer appointed will be required to attend in the Department on four half-days a week.

Appointment will be made for a period to expire at the end of 1938, with eligibility for re-election.

Applications, with testimonials (copies only), should be left with the undersigned not later than Saturday, 14th May, 1938.

C. C. CARUS-WILSON,
Acting Clerk to the Governors.

12th April, 1938.

Saint Mary's Hospital for Women and CHILDREN, Plaistow, E.13.

Applications are invited for the post of RESIDENT HOUSE PHYSICIAN (vacant May 1st), Male or Female. The appointment is for six months and will expire on 30th October. Board and residence are provided. Salary at the rate of £150 per annum, including £5 allowance for laundry. Personal canvassing not desired.

Applications, with copies of three recent testimonials, to be sent to the undersigned as soon as possible.

A. ERNEST WILKES, Secretary.

The Weir Hospital, Grove-road, Balham, S.W.12. (30 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER required May 18th (Male, unmarried). Candidates must be fully qualified and duly registered. Salary £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, to be sent to the Secretary, from whom further information may be obtained.

Charing Cross Hospital.

Applications are invited for the post of HONORARY CLINICAL ASSISTANT to the DERMATOLOGICAL DEPARTMENT.

Applications, together with copies of three recent testimonials, should be sent to the undersigned not later than 2nd May, 1938.

GEORGE J. JONES, Secretary.

Bolingbroke Hospital, WANDSWORTH COMMON, S.W.11. (135 Beds.)

Applications are invited from duly registered Medical Practitioners for the posts of:—

1 HOUSE SURGEON (Male).
2 CASUALTY OFFICER (Male).

Candidates must be unmarried.

The appointments are for six months commencing on the 1st June next.

Salary will be at the rate of £120 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned on or before the 11th May.

W. S. RANDOLPH BISS, Secretary-Superintendent.

King Edward Memorial Hospital, Ealing, W.13. (145 Beds.)

Applications, which should be submitted as soon as possible, are invited for the following appointments:—

OPHTHALMIC SURGEON.
HONORARY ANÆSTHETIST. (Two vacancies.)

Particulars may be obtained from the undersigned.

R. A. MICKELWRIGHT, House Governor.

West London Hospital, Hammersmith-road, W.6. (239 Beds.)

Applications are invited for the post of CHIEF ASSISTANT TO THE DEPARTMENT FOR CHRONIC RHEUMATIC DISEASES for a period of one year, eligible for re-election. An honorarium at the rate of £100 a year is attached to the post. The duties will include attendance in the Out-patient Department on two half-days a week.

Candidates must be registered under the Medical Act, and preference will be given to those possessing an M.R.C.P. or F.R.C.S. qualification. Previous experience in the treatment of rheumatism is an advantage.

Applications, with copies only of testimonials, should reach me not later than first post on Thursday, 12th May. Selected candidates will be required to call upon such members of the Medical Staff as directed; to be in attendance at a Meeting of the Medical Council at 4.30 P.M. on Friday, 20th May, and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

Applications are invited from duly qualified registered Medical Practitioners for the post of HONORARY CLINICAL ASSISTANT in the X RAY (DIAGNOSTIC) DEPARTMENT. The successful candidate will be required to attend for 2 sessions each week.

Applications, with a copy of a recent testimonial, should reach me not later than Wednesday, 18th May.

H. A. MADGE, Secretary.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

An additional HONORARY REGISTRAR is required for the THROAT, NOSE, AND EAR DEPARTMENT. The appointment is for one year and, subject to annual re-election, may be extended for a period of not longer than three years.

Applicants must be duly qualified registered Medical Practitioners with previous experience in Oto-laryngology.

Applications, accompanied by copies of testimonials, must reach me not later than Thursday, 19th May. Candidates must attend a meeting of the Medical Council at 4.30 P.M. on Friday, 20th May, and prior to that date call upon and send copies of their applications and testimonials to each member thereof. They must not canvass members of the Board, but nevertheless must send copies of their applications and testimonials to each member thereof and, if so notified, be in attendance at a meeting of the Board at 5 P.M. on Tuesday, 31st May, when the appointment will be made.

H. A. MADGE, Secretary.

Borough of Hendon.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (Male).

The Hendon Borough Council invite applications for the above post.

Applicants must be fully qualified Medical Practitioners and hold a Diploma in Public Health or an equivalent qualification.

The duties will be mainly in connexion with the Council's Maternity and Child Welfare and School Medical Services, but include other duties under the direction of the Medical Officer of Health.

The salary is £600 per annum, rising by annual increments of £25 to a maximum of £750, with a car allowance of £50 per annum if the successful candidate provides his own car for use in connexion with his duties.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

Applications, on forms to be obtained from the undersigned, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than the first post on Thursday, 5th May, 1938.

Canvassing, directly or indirectly, will be deemed a disqualification.

Dated this 1st day of April, 1938.

LEONARD WORDEN, Town Clerk.

Town Hall, Hendon, N.W.4.

Borough of Tottenham.

APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH.

Applications are invited for the appointment, under the provisions of Section 115 of the Local Government Act, 1933, of a Whole-time Deputy Medical Officer of Health for the Borough, at a salary of £750 per annum, rising by annual increments of £25 to £900 per annum.

The appointment will be subject to the consent of the Minister of Health, and the person to be appointed must be a duly qualified Medical Practitioner and registered in the Medical Register as the holder of a Diploma in Sanitary Science, Public Health, or State Medicine.

The appointment will be subject to the provisions of the Local Government Superannuation Acts, and to the passing of a medical examination.

The person appointed shall agree to give three calendar months' notice in writing to the Council before resigning his office, or to forfeit to the Council an amount equal to three months' salary as liquidated damages.

Travelling facilities while on Council business will be allowed.

Four weeks' annual holiday and public holidays will be allowed.

Forms of application and conditions of appointment, setting out the duties to be performed, may be obtained from the undersigned, to whom they must be delivered not later than 12 o'clock noon on the 16th May, 1938, in an envelope marked "Appointment of Deputy Medical Officer of Health."

Canvassing in any form will be a disqualification.

E. TOWNSON, Town Clerk.

Town Hall, Tottenham, N.15, 27th April, 1938.

The Queen's Hospital for Children,

Hackney-road, London, E.2.

CASUALTY OFFICER required immediately. Three or six months' appointment by arrangement. Salary at the rate of £100 per annum, with board and lodging and laundry.

Application must be made on form to be obtained from the undersigned, and should be accompanied by not more than three testimonials.

CHARLES H. BESSELL, Secretary.

THE HOSPITAL FOR SICK CHILDREN

GREAT ORMOND STREET, LONDON, W.C.1

Appointments to be made Preparatory to the Occupation of the New Hospital

A **RESIDENT ASSISTANT PHYSICIAN**, who is to be the Senior Resident Officer, is required. Duties to commence as soon as possible after the 4th May. Salary £200 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The duties will include those of the former Medical Registrar.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital. Special experience in infectious diseases as desirable.

TWO RESIDENT MEDICAL ASSISTANTS and **CLINICAL PATHOLOGISTS** are required on the 1st June, 1938. Salary £125 per annum.

These appointments are tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The morning duties will include those of an Out-patient Medical Registrar. The afternoons will be devoted to work in a section of the Pathological Department.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An **OUT-PATIENT MEDICAL OFFICER** (part-time and non-resident) is required on the 1st June, 1938. Salary £150 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The duties will include those of the former Out-patient Medical Registrar.

Candidates must possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

An **ASSISTANT RESIDENT SURGICAL OFFICER** is required; duties to commence as soon as possible after 4th May.

The appointment is tenable for one year. Salary £100 per annum.

Duties will include attendance upon members of the Surgical Staff in the Out-patient Department, the performance of Out-patient Operations, and deputation for the Resident Surgical Officer.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

A **HOUSE SURGEON** is required. Duties to commence as soon as possible after the 4th May.

This appointment is tenable for six months. Salary at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Candidates for the above appointments must attend at the Hospital to appear before the Joint Committee at 4.45 P.M. on Wednesday, 4th May, 1938.

Further particulars and forms of application, which must be completed and returned by noon on Monday, 2nd May, 1938, are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

April, 1938.

The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

Two RESIDENT HOUSE PHYSICIANS and one RESIDENT HOUSE SURGEON are required. Duties to commence on the 1st July, 1938.

The appointments are tenable for six months. Salaries at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 23rd May, 1938, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 1st June, 1938.

Further particulars and forms of application are obtainable from the undersigned.

April, 1938. HERBERT F. RUTHERFORD, Secretary.

The Hospital for Tropical Diseases,

25, Gordon-street, W.C.1, has Two vacancies for JUNIOR HONORARY ANÆSTHETISTS. The elected candidates will be appointed for twelve months, but will be eligible for re-election.

Applications, with copies of three recent testimonials, should be sent in on or before the 14th May, to the undersigned from whom further particulars may be obtained.

25th April, 1938. D. A. C. PRICE, Secretary.

The London Chest Hospital,

Victoria Park, E.2.
('Bus, Tram, and Rly., Cambridge Heath, L. & N.E. Rly.)

MEDICAL REGISTRAR (Male).
(Part-time.)

Applications are invited for the above post. The appointment will be for a period of one year with eligibility for re-election for a maximum period of three years.

Honorarium £175 per annum.

Applications, with copies of three testimonials, should be sent to the undersigned from whom further particulars may be obtained, on or before Tuesday, May 3rd, 1938.

THOMAS BROWN, Secretary.

The London Chest Hospital,

Victoria Park, E.2.
('Bus, Tram and Rly., Cambridge Heath, L. & N.E. Rly.)

A HOUSE SURGEON is required, duties to commence as soon as possible after May 14th. Six months' appointment. Salary at the rate of £100 per annum.

Board, residence, and laundry provided.

Applications, with copies of three testimonials, should be sent to the undersigned on or before Tuesday, May 10th, 1938.

THOMAS BROWN, Secretary.

The London Chest Hospital,

Victoria Park, E.2.
('Bus, Tram, and Rly., Cambridge Heath, L. & N.E. Rly.)

SURGICAL REGISTRAR (Male).
(Part-time.)

Applications are invited for the above post. Four sessions a week, Tuesday and Friday mornings essential. Appointment is for one year and an Honorarium is attached to the post.

Applications, with copies of three testimonials, should be sent to the undersigned on or before Tuesday, May 3rd, 1938.

THOMAS BROWN, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON (Resident) to be attached to the Radium Department. Candidates must be Registered Medical Practitioners.

Salary £100 per annum.

Facilities afforded for Post-Graduate Study. The appointment is for six months commencing 1st July, 1938.

Applications, to be made on a form which will be supplied by the Secretary, with copies only of not more than three recent testimonials, to be sent to the Secretary not later than the first post on Friday, the 13th May, 1938.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the two posts of HOUSE SURGEON to commence duties on the 1st of July, 1938.

Salary at the rate of £100 per annum each.

The appointments are for six months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials, to be sent to the undersigned not later than the first post on Friday, the 13th May, 1938.

CLEMENT COBBOLD, Secretary.

Queen Charlotte's Maternity Hospital,

Marylebone-road, N.W.1

Applications are invited from registered Medical Practitioners for the following appointments:—

ASSISTANT RESIDENT MEDICAL OFFICER (Male). Salary £80 per annum.

RESIDENT ANÆSTHETIST AND DISTRICT RESIDENT MEDICAL OFFICER, six months. Salary £90 per annum.

RESIDENT ANÆSTHETIST, three months. Salary £100 per annum.

With board, residence, and laundry allowance (4s. weekly). Appointments to commence on the 1st July, 1938.

The Assistant Resident Medical Officer is appointed for three months, and on completion will be expected to proceed to the post of Senior Resident Medical Staff (Salary £100 per annum). Obstetric experience desirable.

Applications, stating age, and with copies of three testimonials, should be sent to the Secretary by the 20th May, 1938.

H. B. STOKES, Secretary-Superintendent.

Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the post of OBSTETRIC REGISTRAR. The appointment is for one year with eligibility for reappointment. Duties will include Clinical Lectures to pupil midwives. Honorarium £200 per annum, with luncheon and tea provided.

Applications, with copies of testimonials, should be sent by May 13th to the undersigned, from whom the necessary forms of application and rules may be obtained.

GILBERT G. PANTER, Secretary.

Metropolitan Borough of Paddington.

ANTE-NATAL CLINIC

The Council invite applications for the appointment to SENIOR VISITING MEDICAL OFFICER for ante-natal and post-natal consultations to be held on Wednesdays at 2.30 P.M., at the new Welfare Centre at 283A, Harrow-road, W.9. Fee two guineas for a session of about 2 hours. Applicants must have special experience of practical midwifery and ante-natal work.

Form of application and further particulars may be obtained from the Medical Officer of Health, Town Hall, Paddington, W.2. Applications should be received here not later than the 18th May, 1938.

W. F. ABBISS, Town Clerk.

Town Hall, Paddington, W.2, 27th April, 1938.

London Jewish Hospital,

Stepney Green, E.1.
General Hospital. (109 Beds.)

Candidates (Male) for the following resident appointments, which are for a period of six months commencing 1st June next, may obtain forms of application from the Secretary, to whom applications with copies of three recent testimonials, must be sent on or before 20th May, 1938.

RESIDENT MEDICAL OFFICER AND HOUSE PHYSICIAN. Salary at the rate of £150 per annum.

HOUSE SURGEON. Salary at the rate of £100 per annum.

CASUALTY OFFICER. Salary at the rate of £100 per annum.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Grade I). Salary £350–£25–£425, with board, lodging, and washing.

ST. GILES' HOSPITAL, St. Giles'-road, Camberwell, S.E.5. (Two positions.)

(*a*) Midwifery and gynæcological experience essential.
(*b*) General duties, some surgical experience desirable.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 16th May.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (GRADE II). Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(*a*) PRINCESS MARY'S CONVALESCENT HOME, CLIFTONVILLE, MARGATE.—General duties in a female convalescent hospital. Only women candidates eligible.

(*b*) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh-hill, Greenwich, S.E.10.—Obstetrical experience essential.

(*c*) ST. FRANCIS HOSPITAL, East Dulwich, S.E.22.—Duties mainly medical.

(*d*) ST. GEORGE-IN-THE-EAST HOSPITAL, Raine-street, Wapping, E.1.

(*e*) ST. LUKE'S HOSPITAL, Sydney-street, S.W.3.—Duties mainly medical, experience in anæsthetics desirable, for (*d*) and (*e*).

Application forms obtainable (stamped, addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division, 2B, County Hall, S.E.1, returnable by 9th May.

Canvassing disqualifies.

Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the office of ASSISTANT SURGEON to the above hospital.

Candidates must be Fellows of the Royal College of Surgeons of England.

Canvassing is not permitted. Candidates are however requested to send copies of their application and testimonials to the Members of the Committee of Management and the acting Medical and Surgical staff, whose names and addresses can be obtained on application to the Secretary.

Applications, stating age, with copies of testimonials, must be received not later than 12th May, 1938.

ARTHUR J. M. TARRANT, Secretary.

Seamen's Hospital Society.

The Committee of Management invite applications for the appointment of PHYSICIAN with charge of out-patients at the Dreadnought Hospital, Greenwich. The elected candidate will have beds allotted to him, and will be appointed for twelve months, but will be eligible for re-election.

Candidates must be Doctors or Bachelors of Medicine of a University in the United Kingdom, and Fellows or Members of the Royal College of Physicians of London. Applications to be sent in on or before Friday, 27th May, to the undersigned from whom further particulars can be obtained. The Associate Physician is a candidate for the post.

Greenwich, 25th April, 1938. F. A. LYON, Secretary.

The National Temperance Hospital,

Hampstead-road, N.W.1.

Applications are invited for the following post:—
HOUSE PHYSICIAN (Male). Salary £100 per annum, board-residence, and laundry allowance being provided. The appointment is for a period of six months as from June 1st. Preference will be given to those who have held resident posts.
Candidates must submit applications stating qualifications, age, &c., with copies of not more than three testimonials, by Monday, 9th May, addressed to the Secretary.

County Council of Middlesex.

VISITING DERMATOLOGIST.

Applications are invited for the appointment of a Visiting Dermatologist at REDHILL COUNTY HOSPITAL, EDGWARE, MIDDLESEX. Applicants must be Medical Practitioners devoting their time wholly or mainly to the treatment of diseases of the skin.
The physician appointed will be required to attend one session per week, at a fee of £3 3s. per session. The appointment, which does not at present carry any superannuation rights, will be held during the pleasure of the Council and is terminable by three months' notice on either side.
Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 7th May, 1938. Relationship to any member or officer of the Council must be disclosed in the application. Application forms are not provided. Envelopes must be endorsed "Visiting Dermatologist."
Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3,"
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 12th April, 1938.

Hounslow Hospital.

ANÆSTHETIST.

Applications are invited for the post of Anæsthetist, one guinea per session, the appointment to commence at once.
Applications, with copies of three recent testimonials, should be sent to the Secretary, Hounslow Hospital, Staines-road, Middlesex, from whom further particulars can be obtained.

The Mount Vernon Hospital,

NORTHWOOD, MIDDLESEX.
(For the Treatment of Cancer.)

There will shortly be a vacancy for a HOUSE SURGEON. Candidates must be fully qualified and registered. Salary at the rate of £150 per annum, with board, residence, &c. Six months' appointment.
Applications, accompanied with testimonials, to be sent to the undersigned. W. J. MORTON, Secretary.
Offices, 32, Fitzroy-square, W.1.

Barrowmore Tuberculosis Sanatorium

AND SETTLEMENT, GT. BARROW,
Near CHESTER.

Male JUNIOR ASSISTANT MEDICAL OFFICER required. Salary £200 per annum, with board, residence, and laundry. The appointment will be made in the first instance for a period of six months, renewable for a further six months, not renewable afterwards.
The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital accommodation, extensive workshops for graduated work, and a Settlement.
Special treatment, Sanocrysin and Artificial Pneumothorax given.
Applications marked "Junior Assistant Medical Officer," with copies of three testimonials, should be sent to the Medical Director at the above address.

City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for Two Whole-time Assistant Medical Officers of Health (one Male and one Female). Age not exceeding forty years. Salary £500 per annum, rising by annual increments of £50 to £700. The appointments will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922. The Diploma of Public Health is essential.
Particulars of the duties of the Assistant Medical Officers may be obtained from the undersigned.
Applications, which must be on the form provided for this purpose, should be accompanied by not more than three recent testimonials, and must be received by the undersigned not later than Saturday, 7th May, 1938. Envelopes should be endorsed "Assistant Medical Officer of Health."
Canvassing will disqualify.

JOSIAH GREEN, Town Clerk.

Council House, Bristol, 1, 12th April, 1938.

Liverpool Heart Hospital,

34, Oxford-street, LIVERPOOL, 7.

HOUSE PHYSICIAN required (Male or Female), July 1st for six months. Salary at rate of £100 per annum, with board, residence, and laundry. Applications to Secretary.

Beckett Hospital and Dispensary,

BARNSLEY.
(153 Beds.)

CASUALTY OFFICER (Male) required May 16th to deal with the injuries and fractures. Capability to perform emergency operations a recommendation.
Salary £250 per annum, together with board, residence, and laundry.
Applications, stating age, qualifications, and experience (Ophthalmology desirable), accompanied by testimonials, should be sent to the undersigned immediately.

ARTHUR L. BOURNE, Secretary-Superintendent.

27th April, 1938.

Dundee Mental Hospital, Westgreen.

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Male) to the above Hospital. Salary £300 per annum, with board, lodging, and laundry, subject to deductions under the Asylum Officers' Superannuation Act. The Hospital is the teaching centre for St. Andrews University, and opportunity is afforded for research and study in Psychiatry.
Applications, stating age and experience, with copies of three recent testimonials, to be forwarded to the Medical Superintendent.

City of Dublin Skin and Cancer

HOSPITAL, HUME-STREET, DUBLIN.

DEEP X RAY AND RADIUM THERAPIST.

Applications are invited from Medical Practitioners practising as above who possess the qualification of D.M.R.E. or D.M.R. for a whole-time appointment. Salary up to £700 per annum, with allowances according to qualifications and experience. Copies of testimonials are required.
Full particulars may be obtained on application to the Secretary.

Essex County Council.

JUNIOR ASSISTANT MEDICAL OFFICER.

The County Council of the Administrative County of Essex invite applications for the appointment of Junior Assistant Medical Officer at the BLACK NOTLEY SANATORIUM, near BRAINTREE.
This Sanatorium has 300 beds for the treatment of pulmonary and non-pulmonary tuberculosis in men, women, and children, and has all modern facilities for diagnosis and treatment, together with a staff of visiting Specialists.
The appointment is for a period of one year, and the salary will be at the rate of £250 per annum, together with board, lodging, and laundry. The successful applicant will be required to pass a medical examination, and will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.
Applications in candidate's own handwriting, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials (which will not be returned), should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Saturday, the 7th May, 1938.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 25th April, 1938.

General Hospital, Nottingham.

(389 Beds.)

A RESIDENT CASUALTY OFFICER (Male) is required at the above Institution. The appointment is for six months with salary at the rate of £150 a year, with board, residence, and laundry.
Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned not later than Saturday, May 7th.
Duties to commence on June 1st, 1938.

PETER M. MACCOLL, House Governor and Secretary.

City of Nottingham—City Hospital.

RESIDENT ASSISTANT SURGICAL OFFICERS.

Applications are invited from fully qualified Medical Practitioners for posts as Resident Assistant Surgical Officers at the City Hospital.
This hospital is a general hospital of over one thousand beds, with a considerable amount of acute work.
The salary is £250 per annum, with board-residence.
The appointments will be for six months with a prospect of renewal for a further six months.
The duties will be chiefly surgical under the direction of a staff of visiting-surgeons and subject to the control of the Medical Superintendent. Applicants must have had previous hospital experience.
The appointments will not be subject to the Corporation's Superannuation Scheme.
Application forms may be obtained from the undersigned, to whom they should be returned forthwith.
Canvassing directly or indirectly is forbidden.

J. E. RICHARDS, Town Clerk.

Guildhall, Nottingham, 22nd April, 1938.

Royal Buckinghamshire Hospital,
AYLESBURY. (120 Beds.)

Applications are invited for the following posts:—
(1) SENIOR RESIDENT MEDICAL OFFICER, salary £200 per annum;
(2) JUNIOR RESIDENT MEDICAL OFFICER, salary £150 per annum.

Board, residence, and laundry provided.

Candidates must be fully qualified and registered. Previous experience in hospital appointment desirable, as well as in administration of Anæsthetics.

Senior appointment vacant 1st July, and Junior appointment vacant 1st August, each for six months and renewable.

Junior eligible to fill Senior post when vacant; quarters provided in newly built flat.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned by 10th May, 1938.

F. G. DAWES, Secretary.

Royal Alexander Hospital for Sick
CHILDREN, Dyke-road, BRIGHTON.
(100 Beds.)

HOUSE SURGEON (Male) required. Salary at the rate of £120 per annum, with board, lodging, and laundry. Good experience. No canvassing. To take up duties at the end of May.

Applications in writing, accompanied by testimonials, should be sent to PERCY F. SPOONER, the Secretary.

April 11th, 1938.

Burslem, Haywood, and Tunstall War
MEMORIAL HOSPITAL, High-lane, TUNSTALL, STOKE-ON-TRENT.
(66 Beds. Approved Training School for Nurses.)

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £175 per annum, with board, residence, and laundry.

The appointment is for six months in the first instance; reappointment may be applied for. Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

Birmingham and Midland Eye Hospital.
(114 Beds.)

Applications are invited from duly qualified Medical Practitioners for the post of HOUSE SURGEON at the above Hospital which becomes vacant on April 30th next.

Salary £130 per annum (rising to £150 at the end of six months' satisfactory service) and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

Applications, with testimonials and evidence of registration, should be forwarded immediately to the undersigned.

J. W. PEARCE, General Superintendent.

Church-street, Birmingham, 3.

Joint Counties Mental Hospital,
CARMARTHEN.

SENIOR ASSISTANT MEDICAL OFFICER AND DEPUTY-MEDICAL SUPERINTENDENT.

The Committee of Visitors of the above Institution (778 patients) invite applications for the post of Senior Assistant M.O. and Deputy Medical Superintendent from duly qualified and registered Medical Practitioners, possessed of the D.P.M. Diploma (or equivalent) and with previous Mental Hospital experience, at a commencing cash salary of £500 per annum, with annual increments of £25 up to a maximum of £600, together with emoluments (board-residence, attendance and laundry) valued at £156 15s. per annum for the purposes of the Asylums Officers' Superannuation Act, 1909, subject to which and to the Rules in force from time to time the appointment will be made, terminable by three months' notice on either side.

Applications (containing full particulars as to age, qualifications, present appointment and previous experience, and accompanied by copies of three recent testimonials) must be delivered to the undersigned not later than Saturday, the 14th May.

W. J. WALLIS-JONES, Clerk to the Visitors.

34, Quay-street, Carmarthen, 23rd April, 1938.

Manchester Royal Infirmary.

CHIEF ASSISTANT TO A SURGICAL UNIT.
(Non-resident.)

The Board of Management invite applications for the above appointment.

Candidates should be Fellows of the Royal College of Surgeons of England.

The duties require attendance at the Infirmary on seven half-days per week. The appointment is for one year, renewable for a further period, subject to the provisions of the bye-laws as to notice. Salary £250 per annum.

Further information may be obtained from the undersigned, to whom applicants must send fifteen copies of their application and testimonials by Wednesday, 18th May, 1938.

By order.

F. J. CABLE, General Superintendent and Secretary.

14th April, 1938.

City of Birmingham.
MENTAL HOSPITAL DEPARTMENT.

RUBERY HILL AND HOLLYMOOR DIVISION.

The Committee of Visitors invite applications from duly qualified Medical Men for the position of JUNIOR MALE ASSISTANT MEDICAL OFFICER. The successful candidate will be required to reside in the Hospital.

The commencing salary will be £350 per annum, plus the usual residential emoluments of board, lodging, laundry, and attendance. An increase of £50 will be granted on completion of twelve months' satisfactory service and thereafter increases of £25 per annum up to a maximum salary of £450 per annum. An additional £50 per annum will be paid to a holder of the D.P.M. qualification or to a person obtaining the D.P.M. after appointment. All fees received in connexion with panel work will be required to be paid into the Borough Funds, but for making insurance reports, reports on compensation cases and Coroner's inquests, the fees can be retained.

A person who has held, for at least six months, a Medical or Surgical residential post in a General Hospital will be regarded as having an additional qualification. Previous mental hospital experience is not essential, but experience in the administration of anæsthetics is desired.

The candidate appointed will be required to pass a medical examination and will be placed on the permanent staff after one year's satisfactory service, when he will be required to contribute under the Asylums Officers' Superannuation Act, 1909. He will be required to serve in such institution belonging to the Mental Hospitals Committee as they may from time to time direct. The appointment is subject to one month's notice on either side.

Applications, stating full particulars of qualifications, experience, and appointments held, accompanied by copies of three recent testimonials, must be addressed to the undersigned so as to be received not later than May 18th, 1938.

F. H. C. WILTSHIRE,
Clerk to the Committee of Visitors.

Town Clerk's Office, Council House, Birmingham, 1.

Caernarvonshire County Council.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications are invited for the above post from registered Medical Practitioners of not more than forty years of age, at a salary of £600 per annum, rising by annual increments of £25 to £700 per annum, plus a travelling allowance in accordance with the scale adopted by the Council.

Candidates must, subsequent to qualification, have had at least three years' experience in the practice of their profession, and also have had special experience in Maternity and Child Welfare Work and the School Medical Services. Practical experience in Immunisation Methods is also desirable. The possession of a Diploma in Public Health or an equivalent qualification is essential.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful applicant will be required to pass a medical examination.

Canvassing either directly or indirectly will be a disqualification.

A knowledge of Welsh is essential. Further particulars about the post may be obtained from the County Medical Officer of Health, County Offices, Caernarvon.

Forms of application may be obtained from the undersigned to whom they should be returned completed, together with copies of three recent testimonials, and endorsed "Medical Officer," by not later than Monday, the 16th May, 1938.

Dated this 25th day of April, 1938.

DAVID G. JONES,
of the County Offices, Caernarvon.
Clerk of the County Council.

Manchester Royal Eye Hospital.—
OUT-PATIENT MEDICAL OFFICER required at once. Salary £200 per annum, morning work only. Applicants must be fully qualified Medical Practitioners and must also have a good knowledge of refraction work. Particulars of appointment can be obtained on request.

Applications, with copies of recent testimonials, to reach the undermentioned as early as possible.

H. R. NORTH, General Supt. and Secretary.

County Borough of Huddersfield.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from registered Medical Practitioners (Ladies) who have had special experience in antenatal work and in the care of infants. Salary £500–£25–£700, initial salary according to experience.

The post will be designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.

Applications, stating age, full particulars regarding training, qualifications, and appointments held since qualification, should be forwarded to the Medical Officer of Health, Public Health Department, Huddersfield, along with copies of two recent testimonials, so as to reach him not later than Thursday, the 5th May, 1938.

SAMUEL PROCTER, Town Clerk.

Town Hall, Huddersfield, April, 1938.

City of Stoke-on-Trent.

MEDICAL OFFICER OF VENEREAL DISEASES CENTRE.

The City Council invite applications for the appointment of a Medical Officer of the Venereal Diseases Centre at a salary of £750 rising to £937 10s. per annum, increments in accordance with the B.M.A. Scale.

The person appointed will be required to devote the whole of his time to the service of the Corporation which will not necessarily be confined to work in connexion with venereal disease.

Applicants must be fully qualified medical men with at least six months' general hospital experience and have had special experience in modern methods of the diagnosis and treatment of Venereal Diseases. The possession of the Diploma in Public Health will be considered an advantage.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials and endorsed "Medical Officer V.D.", to be delivered to the undersigned on or before Monday, 9th May, 1938.

E. B. SHARPLEY, Town Clerk.

Town Hall, Stoke-on-Trent, 22nd April, 1938.

City of Stoke-on-Trent.

STANFIELD SANATORIUM.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male) at Stanfield Sanatorium. Candidates must be single. Previous institutional experience in Tuberculosis will be an advantage. The appointment will be for a period of twelve months only.

Salary at the rate of £250 per annum, together with board and lodgings. The selected candidate will act under the immediate direction of the Tuberculosis Officer.

Applications, endorsed "Resident Medical Officer," together with copies of three recent testimonials, to be sent to the undersigned not later than Monday, 9th May, 1938.

E. B. SHARPLEY, Town Clerk.

Town Hall, Stoke-on-Trent, 22nd April, 1938.

Kent County Council.

PUBLIC HEALTH DEPARTMENT.

CONSULTANT OBSTETRICIANS.

The County Council invites applications from registered Medical Practitioners adequately qualified and experienced in Obstetrical work for four part-time appointments as Consultants in Maternity cases where private practitioners require such assistance.

One Consultant will be appointed for each of the County Maternity and Child Welfare Areas surrounding (*a*) CHATHAM, GILLINGHAM, and ROCHESTER, (*b*) TUNBRIDGE WELLS, (*c*) ASHFORD, and (*d*) CANTERBURY, respectively. Each Consultant appointed will be required to reside in or near the town to which his or her area is adjacent and to appoint a deputy who must be approved by the County Council, to act in his or her absence.

Consultations will be arranged by Medical Practitioners, but the Consultant will be required to submit reports of cases to the County Medical Officer and comply with such other requirements as may be specified from time to time by him.

The remuneration of the Consultants will be as follows:—

	£	s.	d.
Consultations at or within one mile of the surgery	2	2	0
Up to 5 miles	3	3	0
From 5 to 10 miles	4	4	0
From 10 to 15 miles	5	5	0
Over 15 miles	6	6	0

The appointments will be at the pleasure of the County Council. The arrangements will be reviewed at the end of the first year.

Forms of application and, if required, further details of the appointments can be obtained from the County Medical Officer, Sessions House, Maidstone, to whom completed application forms should be returned not later than the 7th May, 1938.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 20th April, 1938.

Stirling District Mental Hospital,

LARBERT.—JUNIOR ASSISTANT MEDICAL OFFICER required. Commencing salary £300 per annum, rising by annual increments of £25 to £400, with board, lodging, and laundry. Appointment subject to provisions of Asylums Officers' Superannuation Act.

Apply, stating age and experience, with testimonials, to the Medical Superintendent.

Leigh Infirmary, Lancashire.

Wanted, SENIOR RESIDENT SURGICAL OFFICER, Male, Single, for hospital of 85 Beds. Should have good Surgical experience. Salary £250 per annum with rooms, fire, attendance, and board. Good quarters.

The position is vacant on May 16th, 1938.

The appointment is for six months with eligibility for re-election. Must be good Anæsthetist.

The appointment offers exceptional opportunities for Surgery.

Applications to be addressed to Mr. J. A. SMITH, Secretary, 5, Silk-street, Leigh, Lancashire.

Middlesbrough Education Committee.

APPOINTMENT OF ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from duly qualified candidates, who are not over 45 years of age, for a position as Assistant School Medical Officer to act under the School Medical Officer in connexion with the medical inspection and treatment of school-children, and such other duties as may be required by the Education Committee.

Commencing salary £500 per annum (provided the successful candidate has had not less than three years' post-graduate experience), rising by annual increments of £25 to £700 per annum. The Committee may at their discretion take into account previous experience as an Assistant School Medical Officer in determining the amount of the commencing salary. The successful candidate will be required to devote his (her) whole time to the duties of the office. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass satisfactorily a medical examination. The appointment will be terminable by two calendar months' notice on either side.

Forms of application may be obtained on application to the Director of Education, Education Offices, Woodlands-road, Middlesbrough, to whom completed forms should be returned not later than Saturday, 21st May, 1938.

Canvassing in any form will disqualify.

PRESTON KITCHEN, Town Clerk.

Town Clerk's Office, Municipal Buildings, Middlesbrough.
23rd April, 1938.

Hull Royal Infirmary.

Applications are invited for the post of SECOND CASUALTY OFFICER (Male) vacant now.

Salary £150 per annum, plus board, residence and laundry.

In addition to carrying out duties in the Casualty Department the officer appointed will act as House Surgeon to one of the Honorary Assistant Surgeons, and will thus obtain Ward and Theatre experience. He will be eligible for promotion to a more senior post when a vacancy occurs.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

25th April, 1938.

Dorset County Hospital, Dorchester.

APPOINTMENT OF HOUSE SURGEON.

The Committee of Management are open to receive applications for the position of House Surgeon (Male only) to take up his duties on 14th May, 1938.

Every candidate must be unmarried and possess a registered qualification to practise medicine and surgery from some recognised body in Great Britain or Ireland. Salary £150 per annum, with board and lodging. The appointment is for a period of six months. All applications, accompanied by copies of three recent testimonials, should be sent to the Secretary, Dorset County Hospital, as early as possible.

Candidates must be of British birth and nationality.

Devon County Council.

(Medical Department.)

HAWKMOOR SANATORIUM, near BOVEY TRACEY.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Male or Female) for the above appointment. Candidates must be unmarried, and have held resident hospital appointments. Salary will be at the rate of £250 per annum, with board, residence, and laundry.

The appointment will be for a period of six months.

Forms of application may be obtained from the undersigned, and must be returned, accompanied with copies of not more than three recent testimonials, not later than the first post on Monday, 16th May, 1938.

L. MEREDITH DAVIES,
County Medical Officer,
4, Barnfield-crescent,
Exeter.

County Borough of Southampton.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH FOR AIR RAID PRECAUTIONS.

Applications are invited from registered Medical Practitioners for the post of Temporary Assistant Medical Officer of Health for Air Raid Precautions, for a period not exceeding twelve months, at a salary of £500 per annum

Candidates should have had experience in Air Raid Precautions work and training in first aid.

The successful applicant will be required to carry out the teaching of first aid and also any other duties allocated to him by the Medical Officer of Health.

Further particulars may be obtained from the Medical Officer of Health, Civic Centre, Southampton, and applications should be forwarded to him not later than the 10th May, 1938.

R. RONALD H. MEGGESON, Town Clerk.

City of Portsmouth.

ASSISTANT MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER(Male).

Applications are invited from Medical Men, not over forty years of age, for the above appointment.

The maximum salary will be £700 per annum. The commencing salary will not be less than £500 per annum, and will be fixed according to the qualifications and experience of the successful applicant, and will rise by increments of £25 to £700 per annum.

The duties are concerned chiefly with the medical inspection and treatment of school-children and preference will therefore be given to candidates with experience of School Medical Work and of diseases of children.

The appointment will also include duties in the Health Department, and it is accordingly desirable, but not essential, that applicants should hold the D.P.H. or a similar Public Health qualification.

Forms of application may be obtained from the Chief Clerk, Education Offices, Guildhall, Portsmouth, and should be returned, accompanied by three testimonials of recent date, not later than 16th May, 1938, to the undersigned.

F. J. SPARKS, Town Clerk.

The Guildhall, Portsmouth, April 22nd, 1938.

City of Plymouth, City General HOSPITAL. (570 Beds.)

Applications are invited from duly qualified and registered Medical Practitioners for the following post.

JUNIOR ASSISTANT MEDICAL OFFICER. Salary at the rate of £250 per annum, with full residential emoluments.

All fees received by the officer must be refunded to the Council.

The appointment will be for a period of six months in the first instance and renewable for a further period of six months and will be terminable by one month's notice on either side.

Forms of application may be obtained from the undersigned, and should be forwarded together with copies of not more than three recent testimonials not later than 10th May, 1938.

T. PEIRSON, Medical Officer of Health.

Town Hall, Stonehouse, Plymouth.

County Borough of Stockport.

PUBLIC HEALTH AND ASSISTANCE COMMITTEE.

LADY ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Women for the position of Assistant Medical Officer for Maternity and Child Welfare.

The officer appointed will be required to assist the Medical Officer of Health in carrying out the Council's Maternity and Child Welfare Scheme and such other duties from time to time as directed by the Council. She will be required to devote her whole time to the service of the Council.

Applicants must be registered Medical Practitioners, and possess the Diploma of Public Health or similar qualification. Preference will be given to candidates who have had experience in Diseases of Women and Children and in Maternity and Child Welfare work.

The salary will be at the rate of £600 per annum inclusive, rising by annual increments of £25 to a maximum of £700 per annum inclusive.

The candidate appointed will be required to pass a medical examination, and will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922.

Forms of application and particulars as to the terms and conditions of the appointment may be obtained from the Medical Officer of Health, Town Hall, Stockport.

Canvassing, directly or indirectly, will be a disqualification.

Applications, accompanied by copies of three recent testimonials and endorsed "Assistant Medical Officer," should reach the undersigned not later than the first post on Monday, 16th May, 1938.

F. KNOWLES, Town Clerk.

Town Hall, Stockport, April, 1938.

Surrey County Council.

RICHMOND INSTITUTION. (280 Beds.)

APPOINTMENT OF RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the appointment of Resident Assistant Medical Officer at the Grove-road Institution, Richmond. The Institution is administered by the Public Assistance Committee of the Council.

Applicants should have had experience as a House Surgeon or Physician. The appointment is for a period of six months, renewable for a further period of six months, and the salary is at the rate of £250 per annum, together with full residential emoluments valued at £125 per annum.

The successful applicant will be required to commence duty early in June.

Applications, stating age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be endorsed "Resident Assistant Medical Officer," and sent to the County Medical Officer, County Hall, Kingston-upon-Thames, so as to reach him not later than the 11th May, 1938.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 26th April, 1938.

Nuffield Department of Obstetrics and GYNÆCOLOGY, THE RADCLIFFE INFIRMARY, OXFORD.

Applications are invited for the post of HOUSE SURGEON for GYNÆCOLOGICAL WARD. The appointment will start as soon as possible after receipt of applications, and will terminate on September 30th, 1938. The salary will be at the rate of £120 per annum if the candidate appointed has held a previous House appointment; £100 per annum if he has not done so. Candidates must be male and qualified.

Applications, with copies of testimonials, must be sent to the undersigned on or before May 4th, 1938.

A. G. E. SANCTUARY, Administrator.

West Suffolk General Hospital, BURY ST. EDMUND'S. (112 Beds.)

Applications are invited for the post of HOUSE SURGEON. Duties include charge of the Surgical Beds. Salary £180 per annum, with board, lodging, and laundry.

One other Resident Medical Officer.

Applicants must be registered Practitioners. Applications, stating age, experience, and nationality, with three copies of three recent testimonials, to be sent to the Secretary.

April 25th, 1938. E. E. HARDWICKE, Secretary.

The Prince of Wales's Hospital,

Greenbank-road, Plymouth.
(Formerly South Devon and East Cornwall Hospital.)
(254 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male). Salary £225 per annum, with board, residence, and laundry.

Appointment is tenable for six months and subject to renewal. Duties to commence 8th June.

Candidates must be registered under the Medical Acts and it is desirable they should possess the F.R.C.S., England or Edinburgh.

Applications, stating age and qualifications, together with copies of three recent testimonials, to reach the undersigned by 14th May.

ARTHUR R. CASH, General Superintendent and Secretary.

Lancashire County Council.

PUBLIC ASSISTANCE COMMITTEE.

LAKE HOSPITAL AND DARNTON HOUSE INSTITUTION, ASHTON-UNDER-LYNE, Near MANCHESTER.

APPOINTMENT OF SENIOR RESIDENT MEDICAL OFFICER.

Salary £250 per annum, together with the usual residential emoluments.

The person appointed will be required to take up duty on the 1st June, 1938.

Applications are invited from registered Medical Practitioners for the above appointment at the Lake Hospital and Darnton House Institution, Ashton-under-Lyne, comprising 300 and 525 beds respectively.

The Hospital is recognised as a complete Training School for Nurses.

Candidates must be unmarried. Preference will be given to candidates having previous hospital experience, especially in midwifery, and in the administration of anæsthetics.

The appointment will, in the first instance, be for a period of six months, the successful candidate being eligible for reappointment for a further period of six months at the end of that period.

Forms of application may be obtained from the County Medical Officer of Health, Public Assistance (Hospital and Medical) Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded not later than Tuesday, 10th May, 1938.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 25th April, 1938.

Staffordshire Mental Hospitals Board.

COUNTY MENTAL HOSPITAL, STAFFORD.

APPOINTMENT OF MEDICAL SUPERINTENDENT.

The Visiting Committee invite applications for the post of Medical Superintendent from duly registered Medical Men preferably holding the degree of Doctor of Medicine of a University in Great Britain or Ireland, especially one requiring residence. Experience in the treatment of mental disorders and the administration of a mental hospital is essential. Salary £1100 per annum, together with emoluments valued at £420 per annum. Increments will be at the discretion of the Committee of Management. The salary and emoluments will be subject to deductions under the Asylums Officers' Superannuation Act, 1909.

Applications, endorsed "Medical Superintendent," giving particulars of age, qualifications, experience, &c., together with not more than three testimonials, should be received by me, the undersigned, not later than 10 A.M. on May 13th, 1938.

Canvassing, directly or indirectly, will disqualify the applicant.

H. L. UNDERWOOD, Clerk to the Visiting Committee, County Buildings, Stafford.

25th April, 1938.

The Staffordshire General Infirmary, STAFFORD.

HOUSE PHYSICIAN required immediately. Salary £150 per annum. The appointment to be held for at least six months. The Hospital has 145 beds, including 14 private wards and there are three Residents.

Applications, stating age, accompanied by copies of three recent testimonials as to qualifications and experience, must be sent to me forthwith.

Stafford, 25th April, 1938. A. E. COLLINS, Secretary.

Staffordshire County Council.

BACTERIOLOGICAL AND PATHOLOGICAL LABORATORY.

SECOND ASSISTANT BACTERIOLOGIST AND PATHOLOGIST.

Owing to the promotion of one of the medical staff to a senior post, applications are invited from legally registered Medical Practitioners under forty years of age for the post of Second Assistant Bacteriologist and Pathologist.

Previous post-graduate experience in either bacteriology or pathology essential, but the person appointed will be expected to become proficient in due course in all the branches of the routine work of the laboratory. Adequate technical assistance is provided.

Reasonable opportunity for research will be afforded.

Commencing salary £700 per annum, rising by annual increments of £50 to a maximum of £850, subject to the usual deductions under the Local Government and Other Officers' Superannuation Act, 1922. The appointment will be terminable by three months' notice on either side.

The successful candidate will be required to pass a medical examination, and submit birth certificate.

Applications, together with copies of three recent testimonials, to be received by me on or before Saturday, 14th May, 1938.

H. L. UNDERWOOD, Clerk of the County Council.

County Buildings, Stafford, 25th April, 1938.

Staffordshire, Wolverhampton and DUDLEY JOINT BOARD FOR TUBERCULOSIS.

PRESTWOOD SANATORIUM. (200 Beds.)

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Male) at the above-named Sanatorium, which is approximately nine miles from Wolverhampton. The successful candidate may also have opportunities of obtaining experience in the work of a Dispensary. The appointment will be for six months in the first instance, renewable for a further maximum period of six months.

Salary at the rate of £300 per annum, with board, residence, and laundry.

Forms of application may be obtained from the undersigned, and should be returned by first post on the 12th May, 1938, together with copies of not more than three recent testimonials.

H. L. UNDERWOOD, Clerk of the Joint Board.

County Buildings, Stafford, 26th April, 1938.

North Staffordshire Royal Infirmary, STOKE-ON-TRENT. (390 Beds.)

RESIDENT ANÆSTHETIST.

The Committee invite applications for the above post.

Salary at the rate of £130 per annum, with board, residence, and laundry.

This appointment, which is recognised by the Royal College of Surgeons for the Diploma in Anæsthetics, will be made for six months, renewable.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By Order,
W. STEVENSON, Secretary and House Governor.

25th April, 1938.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £175 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be forwarded immediately.

J. KENYON, Secretary.

The Royal Infirmary, Sheffield.

The Board of Management invite applications for the post of OPHTHALMIC HOUSE SURGEON.

The salary attached to the post is £120 per annum, with board and residence.

This appointment will be tenable for the period of six months commencing 1st May, 1938.

The Ophthalmic Department contains 69 Beds and an Out-patient Department which is open daily.

Applications, with copies of testimonials, to be sent to the General Superintendent and Secretary.

20th April, 1938.

The Radcliffe Infirmary, Oxford.

Applications are invited for the post of SURGICAL REGISTRAR, who will have charge of beds and who will be responsible for the supervision of the surgical notes of the hospital. The appointment will be for one year, and the holder will be eligible for re-election at the end of that period. The duties will commence as soon as possible after election. The appointment will be a whole-time one, with salary at the rate of £400 per annum, non-resident. Candidates must be Fellows of the Royal College of Surgeons, and preferably have held a senior surgical post in a teaching hospital.

Applications, with copies of testimonials, must be sent to the undersigned not later than Saturday, May 14th, 1938.

April, 1938. A. G. E. SANCTUARY, Administrator.

University of Aberdeen.

The Senatus will award A. W. GARDEN FELLOWSHIPS in June, 1938, for the period commencing 1st October, 1938. The Fellowships are of the annual value of not less than £200 and are normally tenable for from three to five years in any of the Departments of the Faculty of Medicine in the University of Aberdeen. Graduates in Medicine of any British University are eligible but preference will be given to Medical Graduates of the University of Aberdeen with suitable qualifications.

Applications must be lodged before 31st May, 1938, with the Secretary of the University of Aberdeen, Marischal College, Aberdeen, from whom particulars may be obtained.

City of Manchester.

WITHINGTON HOSPITAL. (1184 Beds.)
Recognised under the regulations for the F.R.C.S.

The Public Health Committee invites applications from registered Medical Practitioners for the undermentioned posts:—

1. RESIDENT OBSTETRICAL OFFICER. Salary £350 per annum, rising by annual increments of £25 to a maximum of £450. Candidates must have had previous experience in obstetrics and gynæcology and preference will be given to candidates holding a higher qualification. Board, residence, and laundry provided in addition to the salary stated. To commence mid-June.
2. ASSISTANT TO THE RESIDENT SURGICAL OFFICER (Grade 2). Salary £250 per annum, with board, residence, and laundry. To commence mid-June.
3. ASSISTANT TO THE RESIDENT OBSTETRICAL OFFICER (Grade 2). Salary £250 per annum, with board, residence, and laundry. To commence mid-June.

Appointments numbered (2) and (3) will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Town Hall, Manchester, 2, and applications for these posts must be received by him not later than 16th May, 1938.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 26th April, 1938.

South Middlesex and Richmond Joint HOSPITAL BOARD.

SOUTH MIDDLESEX FEVER HOSPITAL.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from fully qualified Medical Practitioners for the above appointment. Duties to commence as soon as possible.

The appointment is for a period of one year at a salary of £250 per annum, with board, residence, and laundry. Preference will be given to candidates who have held a resident appointment in a General Hospital. Experience in anæsthetics desirable.

Forms of application with full particulars of duties may be obtained from the Medical Superintendent, South Middlesex Fever Hospital, Mogden-lane, Isleworth, Middlesex. Applications, on the prescribed forms, should be returned to him on or before Monday, the 16th May, 1938.

S. C. T. LITTLEWOOD, Clerk to the Board.

14, Church-street, Kingston-on-Thames, 26th April, 1938.

New Zealand.

Applications are invited for the position of RESIDENT SURGEON, NEW PLYMOUTH HOSPITAL (200 Beds).

Salary £900 per annum; also free house.

Applications also invited for the position of RADIOLOGIST (including Therapy) in the same Hospital. Salary £850 per annum.

Applications for both appointments, accompanied by testimonials and full particulars of qualifications, must be addressed to the High Commissioner for New Zealand, 415, Strand, London, W.C.2, and must be received by him not later than 11th May, 1938.

Candidates must supply their full names, age, and nationality, and state whether they are married or single.

Ancoats Hospital, Manchester, 4

ORTHOPÆDIC REGISTRAR.

Applications are invited from duly qualified Medical Practitioners. Duties to assist the Hon. Orthopædic Surgeon in the Out-Patient Clinics on Tuesday afternoons at 2 and on Thursday mornings at 9. Honorarium £50 per annum. Appointment for twelve months renewable on 1st January of each year.

Applications, stating age, qualifications, experience, and full particulars to be forwarded on or before 11th May, together with copies of three recent testimonials.

By order of the Board,
HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

Warrington Infirmary.

PART-TIME RADIOLOGIST.

Applications are invited for the above post and should be sent in to the undersigned not later than 7th May, stating age and accompanied by two recent testimonials.

Salary £200 per annum.

Candidates must have held a full-time Radiological appointment and possess the qualification of D.M.R.E.

Particulars of duties may be had on application.

By order.
HENRY L. BOOT, Superintendent and Secretary.

Royal Berkshire Hospital, Reading.

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Applications are invited immediately for the post of HOUSE SURGEON TO THE SPECIAL DEPARTMENTS (EYE, EAR, NOSE, AND THROAT). (Male).

Appointments are for six months and candidates must be fully qualified and registered.

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Infirmary Office, Rochdale, Lancs.

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